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ABSTRACT

The results of a survey conducted to ascertain the participants' evaluation of the first Summer Institute of the Ed.D. Program for Community College Faculty are provided. A total of 241 institute participants, 74% of the 325 registrants, completed the "Summer Institute Survey." The analysis of the survey data is provided in 79 tables, and is discussed. Copies of the Needs Assessment Questionnaire and Summer Institute Survey form are provided, as is a sample participant letter. Survey findings are summarized, and conclusions are given. (DB)

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EVALUATION OF THE 1973 SUMMER INSTITUTE OF THE Ed.D. PROGRAM FOR COMMUNITY COLLEGE FACULTY

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I. INTRODUCTION

An evaluation of the first Summer Institute of the Ed.D. Program for Community College Faculty can serve two important functions: (1) Provide an indication of how participants reacted to the activities of the 1973 Summer Institute; and (2) be used as a planning tool for the 1974 Summer Institute in which about twice as many community college faculty are expected to be involved as were involved this year.

Frequently, the results of evaluation activities are not shared in a meaningful way with those who participate in the research. The Nova University staff is committed to conducting research and evaluation in a "symbiotic" relationship with all participants. A "symbiotic" research and evaluation relationship is particularly important in a program which emphasizes and encourages feedback from its participants, and which has as one of its components the development of research and evaluation skills. Therefore, copies of this report are being sent to all clusters as well as to the national lecturers and members of the advisory board.

In an attempt to assess participants' needs and expectations for the 1973 Summer Institute, a questionnaire (Appendix A) was sent to all program participants about one month prior to the Summer Institute. This questionnaire asked participants to list: (1) Their most pressing questions about (a) general program structure, (b) seminars with national lecturers and (c) practicums; (2) their single, most important objective for the Institute; and (3) any other expectations they might have for the Institute. The responses were grouped within categories (i.e., 1a-c, 2 and 3) within each cluster. The schedule of activities for the 1973 Summer Institute were examined so that necessary adjustments could be made prior to the Institute. In addition, the Nova staff and national lecturers met on the day preceding the start of the Institute and included in their discussions the objectives cited by participants.

II. METHOD

A. Sample

Two hundred forty one Summer Institute participants, or 74%[1] of 325 registrants, completed the Summer Institute Survey (Appendix B). Of the 93% who indicated their present position, 38% of the respondents are in administration, 22% in Behavioral Science, 33% in Curriculum and Instruction, and 7% in Engineering Technology.

Respondents represent all 13 clusters: 1% of the respondents are from Broward County, Florida; 11% from Chicago, Illinois; 6% from Hampton, Virginia; 9% from Hillsborough, Florida; 11% from Jacksonville, Florida; 6% from Long Island, New York; 11% from Miami-Dade, Florida; 8% from New Haven, Connecticut; 10% from Orlando, Florida; 2% from Pensacola, Florida; 8% from Sacramento, California; 8% from St. Petersburg, Florida; and 10% from San Francisco, California.

B. Procedures

Summer Institute Surveys (Appendix B) were distributed to participants at an afternoon general session on Friday, August 11. Cluster coordinators collected the completed surveys and submitted them to the Nova University staff either Friday evening or Saturday morning. Reactions to a concurrent session (Friday), the Friday night banquet, and a general session (Saturday) may, therefore, not be included in the data. The decision to distribute and collect surveys prior to the end of the final general session was made to maximize the response rate, since some participants could not be present for the Saturday session.

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[1] Note: all reported percentages are rounded off to nearest whole number.

The data from five questionnaires mailed to Nova University after the conclusion of the Institute are not included since processing of the data was begun immediately following the Institute. All computer processing of the data was performed by Dennis Murphy at the Computer Center of Nova University.

The following procedures were used to analyze the data:

(1) Cross-tabulation of question responses and group membership (cluster and present position), which shows the percentage of persons in each category who indicate a particular response;[2]

(2) Calculation of Pearson's Chi-Square Test of Association, which indicates whether or not the categories (response and group membership) are

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[2] Murphy, Dennis. Cross-Tabulation Program With Histogram and Non-Parametric Options. (Original Program by Richard LaRue). Fort Lauderdale, Fla.: Nova University Computer Center, 1973.

independent;[3] and

(3) Calculation of the Symmetric Lambda which indicates that the probability of error in predicting one attribute from another is reduced by a given percentage with knowledge of either attribute.[4] Interpretation of the Symmetric Lambda in this report is based only on the probability of reducing the percentage of error in predicting the participant's response (column or criterion) from group membership (row or predictor).

The data for each question are reported as percentages of participants within each category who indicated a particular response to a survey question.

There are two tables[5] for each question or question section.[6] In order to facilitate interpretation of the tables, the following explanation is given.

(1) Cross-Tabulation of Question Responses and Group Membership (Position, Cluster):

The A Tables (e.g. Table 1A) are crossbroken by the present position (Administration, Behavioral Science, Curriculum and Instruction, Engineering Technology), Rows

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[3] Ibid.

[4] Ibid.

[5] All tables appear in Appendix C.

[6] Some questions have several sections. For example, question 17 has 3 sections. Therefore, there are six (6) tables for question 17. For question 22, adequacy of facilities for specific Institute activities, only one table (total or pooled population) is provided for each question section.

1-4, of the participant and his or her response (Columns 1, 2 . . . etc.) to the question.

The B Tables (e.g. Table 1B) are crossbroken by the cluster of which the respondent is a member (e.g., Long Island, St. Petersburg, San Francisco), Rows 1-13, and his or her response (Columns 1, 2 . . . etc.) to the question.

In all tables (A and B), the Row (Rows Represent) and Column (Columns Represent) definitions are provided at the top of each table. The column definition states the question and all possible responses to the question.

For each possible combination of responses, the following information is given:

a. Cell Frequency (CELL FREQ)
b. Percent of Row (% ROW)
c. Percent of Column (% COL)
d. Percent of Table (% TABLE)

Cell Frequency (CELL FREQ) represents the number of respondents in a given group who indicated the same response. For example, in Question 1, "Did you room at the Diplomat during the Summer Institute", Table 1A, Cell 1,1 shows that 68 (CELL FREQ) or 81% (% ROW) of respondents in Administration roomed at the Diplomat, that these respondents represent 40.5% (% COL) of all respondents who roomed at the Diplomat and that these 68 persons are 31.9% (% TABLE) of all participants who responded to the question, whether or not they roomed at the Diplomat.

The totals for each row are given opposite each cell frequency (CELL FREQ) under the column labeled TOTALS. In the table cited previously, 84 participants in Administration responded to the question about rooming at the Diplomat. These 84 persons represent 39.4% of all respondents to the question.

Total column frequencies (TL COL FREQ) represent the total number of persons indicating the same response. For example, in Table 1A, column 1, 168 persons or 78.87% of all respondents to the question, roomed at the Diplomat during the Summer Institute.

The lower right-hand corner of each table indicates the total number of persons responding to the question. Table 1A shows that 213 persons responded to the question.

(2) Calculation of Pearson's Chi-Square Test of Association:

The Pearson Chi-Square Test of Association[7] was calculated for each table in order to obtain an index of association between two categorical variables, the group membership (i.e., cluster or present position) and the response (reported as percentages). However, as Hays and Winkler[8] point out:[9]

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[7] Formula 12.5.2, in Hays, W.L. and Winkler, R.L. Statistics: Probability, inference, and decision. (Vol. II) New York: Holt, Rinehart and Winston, Inc., 1970, p. 198.

[8] Hays, W.L. and Winkler, R.L., op. cit.

[9] Note: x^2=chi-square and λ=Lambda in the following quotation.

> When the value of x^2 turns out significant, one can say with confidence that the attributes A and B are not independent. Nevertheless, the significance level alone tells almost nothing about the strength of association. Usually we want to say something about the predictive strength of the relation as well. If there is the remotest interest in actual predictions using the relation studied, then the measures are worthwhile. Statistical relations so small as to be almost nonexistent can show up as highly significant x^2 results, and this is especially likely to occur when sample size is large. All too often the researcher then "kids himself" into thinking that he has discovered some relationship which will be applicable in some real-world situation. Plainly, this is not necessarily true. The indices do, however, suggest just how much the relationship found implies about real predictions and how much one attribute actually does tell us about the other. Such indices are a most important correction of the tendency to confuse statistical significance with the importance of results for actual prediction. Virtually any statistical relation will show up as highly significant given a sufficient sample size, but it takes a relation of considerable strength to enhance our ability to predict in real, uncontrolled, situations. It can happen that even though a x^2 test is significant, the predictor's behavior is not changed one whit by this new information. The measures show how one is led to predict differentially in the light of the relationship. (p. 213-214)

(3) Calculation of the Symmetric Lambda:

An additional index was computed, the Symmetric Lambda[10], which provides an indication of the ability of one category to predict another. The Symmetric Lambda says that knowledge of either classification (e.g. group membership or response) "improves our ability to predict the other category, in that the probability of error is reduced"[11] by the percentage obtained. For example, if computation of the Pearson's Chi-Square Test of Association yields a significance figure of .01, we know that two categories are not independent. The Symmetric Lambda obtained, however, may be 1% when predicting, for example, response from group membership (e.g., cluster). A Lambda of 1% does not indicate a very strong relationship; that is, knowledge of group membership does not considerably improve our ability to predict the response, since the probablility of error of prediction is reduced by only 1%.

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[10] Hays, W.L. and Winkler, R.L., op. cit., p. 213.

The results of Pearson's Chi-Square Test of Association and the Symmetric Lambda accompany all tables in which the assumptions for calculation of chi-square are met. Only those indices which seem to indicate a strong association (or Lambda) will be discussed. In other words, significant Chi-Square Tests of Association ($P = .01$) will be discussed when the Lambda obtained indicates a strong relationship between the two attributes.

Analysis of the data is presented in the Results and Discussion section. Some questions are grouped fpr discussion purposes (e.g., questions 4-6, having to do with participants' Institute costs). In addition, where appropriate, sample open-ended responses are included to facilitate interpretation of the tables. For example, questions 3, 7, 8, 15 and 23-28 provide respondents with an opportunity to explain their response choices.

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[11] _Ibid._

Also included, where applicable, is information provided the evaluator in conversations with participants during the Summer Institute.

Several questions did not apply to all respondents. For example, Question 3 instructs the person to skip to question 4 if he or she does not have any children. Therefore, the large number of missing data on some questions reflect the fact that the question was not applicable to all survey participants.

III. RESULTS AND DISCUSSION

Question 1: Did you room at the Diplomat during the Summer Institute? (Tables 1A, 1B)

a. If Yes:
Were the facilities adequate? (Tables 2A,2B)
Was the food to your liking? (Tables 3A,3B)

b. If No:
Did you stay with friends or relatives? (Tables 4A,4B)
Did you stay at a different hotel? (Tables 5A,5B)

Most participants (c. 78%) stayed at the Diplomat Hotel during the Summer Institute (Tables 1A,1B). As might be expected, there is a strong relationship between the cluster membership of the participant (Table 1B) and whether or not he or she roomed at the Diplomat (lambda= 36%). However, a stronger relationship might have been predicted. It is interesting to note, for example, that 19% of respondents from the Miami-Dade cluster (Table 1B), which is within easy commuting distance of the hotel, stayed at the Diplomat. Also, only 50% of respondents from Pensacola (Table 1B) roomed at the Institute headquarters.

Some respondents (c. 33%) who did not room at the Diplomat hotel stayed with friends or relatives (Tables 4A,4B) or at another hotel (19%; Tables 5A,5B). Conversations with Institute participants indicated that another response option should have been provided in the Survey, KOA Campgrounds. Several participants indicated that they were staying at Camp-sites, that, in fact, they had had difficulty locating camp-sites close to the Institute.

Those who stayed at the Diplomat hotel seemed quite pleased with the facilities (94%; Tables 2A,2B) and somewhat less pleased with the food (60%; Tables 3A,3B). The large numbers not responding to "Was the food to your liking?" may reflect the fact that many people who roomed at the Diplomat did not have their meals on the hotel premises. Many persons indicated on their surveys that the food was too expensive.

Question 2: Did your spouse come with you to the Summer Institute? (Tables 6A,6B)

Question 3: Did any of your children come with you to the Summer Institute? (Tables 7A,7B)

About 35% of the respondents to question 2 (Tables 6A,6B) brought their spouses with them to the Summer Institute, and about 27% of those responding to question 3 brought their children (Tables 7A,7B).

It is interesting to note, when clusters are considered, that the rankings by cluster of those who brought spouses and those who brought children, are very similar. Figure 1 shows the relative rankings (data obtained from Tables 6B and 7B).

Figure 1

Rankings by Cluster

Spouse (Table 6B)		Children (Table 7B)	
Cluster #	%	Cluster #	%
4	54.5	8	87.5
12	50.0	10	66.7
10	50.0	4	43.8
8	50.0	12	40.0
5	42.3	5	37.5
13	41.7	6	33.3
6	35.7	2	25.0
9	34.8	13	18.8
3	26.7	9	15.8
7	24.0	3	14.3
2	20.8	7	5.3
11	5.3	11	0.0
1	0.0	1	0.0

It should also be noted that chi-square is significant (P=.01) for Table 7B and there is a fairly strong relationship between the cluster membership and whether children accompanied the respondent (lambda=17%). The six clusters obtaining the highest rankings were from the northeast states (New Haven, Connecticut; Long Island, New York) and from within the state of Florida (Pensacola, Hillsborough, St. Petersburg, Jacksonville).

Question 4: Who is paying for your participation in the Summer Institute? (Tables 8A,8B)

Question 5: How much do you estimate that the Summer Institute has cost you? (Tables 9A,9B) (Please don't include expenses for spouse or children).

Question 6: Did you borrow money from a federally insured loan to help pay for your costs for the Summer Institute? (Tables 10A,10B)

About ninety-eight percent of survey respondents paid the total cost of the Institute themselves (Tables 8A,8B). The respondents who indicated that they are paying a portion of the total cost and their school is paying a portion are from the Miami-Dade (8%) and Orlando (13%) clusters (Table 8B).

As might be expected in question 5, the chi-square for cluster membership is significant (P=.01, Table 9B), indicating that there is a significant relationship between the cluster location and estimated Institute costs. It should also be noted that in predicting the cost response (column) from cluster membership (row), the value of lambda is only 29% (Table 9B). An examination of the table shows that respondents from most clusters indicated a range of cost responses, although more people in a cluster may have estimated the Institute cost within one category more than other categories. For example, cost responses for the Chicago cluster varied from \$201-\$300 (response 4) to more than \$500 (response 7), although more people (29.2%) estimated \$201-\$300 than any other amount.

Further, while respondents within a cluster may have indicated a range of responses, the distribution of responses within one cluster category tend to be within a narrow range (Table 9B). For example, respondents from Sacramento indicated responses 5-7 while those from Orlando indicated responses 2-4.

Thirteen persons or 6% of respondents (Tables 10A,10B) borrowed money from a federally insured loan to help pay Institute costs, two in administration, six in behavioral science, one in curriculum and instruction and four in engineering technology (Table 10A). However, a higher percentage of Engineering Technology respondents (29%; Table 10A) than respondents in other position categories (2%-12%) responded positively to question 6. The respondents who borrowed money from a federally insured loan are distributed through nine of the thirteen clusters (Table 10B), with Sacramento having the highest percentage (22%).

Question 7: In your opinion, was one week long enough for the Summer Institute? (Tables 11A,11B)

Ninety-six percent of all survey respondents (Tables 11A,11B) felt that one week was long enough for the Summer Institute. An examination of respondents' surveys indicates that some of those persons who responded No to question 7, felt that the Institute should have been shorter, or 3-4 days in length.

Question 8: How long did you (or will you) stay in South Florida? (Tables 12A,12B)

Most respondents (71%; Tables 12A,12B) stayed in Florida just for the Summer Institute. However, at least some respondents in each the eleven clusters not located in South Florida stayed in South Florida for additional days (6%-46%; Table 12B). The Chicago (44%), Long Island (46%)

and New Haven (43%) clusters have the highest percentages of participants who spent additional days in South Florida.

A tally of responses to the number of additional days indicates a range of one day to two weeks longer than the Institute, with most respondents indicating one additional day. It is likely that, since the Institute was six days in length, many persons sayed at least one extra day (or as many as 14 extra days) to qualify for airline excursion rates (at least 7 days, not more than 21 days) which are less expensive than regular airline rates.

Question 9: In your opinion, when is the best time to schedule the next Summer Institute? (Tables 13A,13B)

Although there were nine response choices to question 9, asking participants to indicate their preference for the scheduling of next year's Summer Institute, early August was chosen by more than 60% of the respondents (Tables 13A,13B). Table 13A shows that 60% or more of persons in all positions prefer early August. Some differences in preference can be seen when respondents are grouped by clusters (Table 13B). For example: (1) Pensacola participants show a preference for early June (66.7%); (2) only 31.6% of the Chicago participants selected early August; and (3) Long Island participants were evenly divided among late June, early July, early August and late August.

It should also be noted that there were a large number of non-respondents to this question (Tables 13A,13B). This may indicate that many persons have no preference, that their preference was not included as a response option, or that they were reacting to an announced commitment for next year required of the Nova staff during the week of the Institute by hotel personnel. Since the announcement was made at a general session, it is, in fact, quite likely that those who selected early August are endorsing the time commitment.

Question 10: Did you have enough free time during the Summer Institute? (Tables 14A,14B)

When respondents are grouped by present position, 60%-74% indicate that they had enough free time during the Institute (Tables 14A). Conversations with Institute participants indicated that some persons would have also liked scheduled, optional evening activities such as open discussion groups on selected topics (possibly chaired by participants) or "sensitivity" group sessions.

When respondents are grouped by cluster membership, 44%-100% indicate that they had enough free time during the Institute (Table 14B). Although there is not a strong relationship (lambda=5%; Table 14B) between cluster membership and the response to question 10, there are significant differences attributable to cluster membership (P=.01; Table 14B). It is possible that the wide range of responses (46 percentage points) reflects the feelings of persons who would like to have spent more time exploring the physical environment of Florida.

Question 11: How would you rate the Summer Institute? (Tables 15A,15B)

Whether respondents are grouped by present position (Table 15A) or cluster membership (Table 15B), 89% rate the Summer Institute as either excellent or good. However, it should be noted that there is a significant (P=.01; Talbe 15B) and quite strong relationship (lambda=20%; Table 15B) between rating of the Institute and cluster membership.

Sixty-six percent to 100% of respondents within the 13 clusters rated the Institute excellent or good. An examination of the responses of the 13 clusters shows great variability in a single response category. For example, 16% of persons in one cluster rated the Institute as excellent, while 100% of persons in other clusters indicated an excellent rating (Table 15B).

That only 11% of the total survey respondents (and no more than 24% in any one cluster) indicated that the Institute was either fair or poor (Table 15B) would seem to show that respondents were generally pleased with the first Summer Institute of the program.

Question 12: Would you prefer to attend a regional Summer Institute (for example, in California, New York or Ft. Lauderdale) rather than a national institute? (Tables 16A,16B)

Most respondents (about 72%; Tables 16A,16B) would not prefer to attend a regional Summer Institute rather than a national institute. Those clusters with higher percentages indicating a preference for a regional institute are, for the most part, those clusters most distant from Fort Lauderdale (Table 16B).

Some general comments at the end of the survey related directly to question 12. Several respondents indicated that the 1973-1974 Summer Institute should elaborate or build upon the concepts, awarenesses and strategies of the 1972-1973 Institute, that the program should not be repeated for the benefit of new participants. Several respondents who indicated preference for a regional institute rather than a national institute noted on their surveys that they preferred a regional (separate) institute if the 1973-1974 program was basically an orientation for new clusters.

Question 13: Would you want to attend a Summer Institute again next year? (Tables 17A,17B)

Whether respondents are grouped by present position (Table 17A) or cluster membership (Table 17B), 94% would want to attend a Summer Institute again next year. At least 93% of persons in each of the four position categories indicated an affirmative response (Table 17A), while at least 88% of persons in each of the 13 cluster categories would want to attend again next year (Table 17B).

It should be noted in Table 17B that two of the clusters having the largest percentage of persons who would not want to attend again next year, Sacramento (11%) and San Francisco (13%) had the highest percentage of respondents indicating that the Summer Institute cost them more than $500 (Table 9B).

It is also possible that, in some clusters, intent to return to the Summer Institute in 1973-74 is influenced by the rating of the Institute (Table 15B). For example, Figure 2 shows that clusters 2, 6, 11 and 12 had the highest percentage of respondents ranking the Institute fair or poor and were among the clusters with the highest percentage of respondents who would not want to return to the Summer Institute next year. Clusters 2, 6 and 11 also are among those clusters with the largest percentage of persons estimating the cost of the Institute at more than $500 (Figure 2).

It should be noted here that 98% of all respondents paid the total cost of the Summer Institute themselves. Therefore, that 94% would want to attend one next year might be interpreted as a very high percentage.

Figure 2

Cluster Comparisons

Cluster #	% Rating Institute Excellent or Good	% Rating Institute Fair or Poor	% Indicating Cost more than $500	% Indicating would not want to return 73-74
1	100	0	0	0
2	76	24	21	8
3	100	0	7	0
4	86	14	0	0
5	100	0	0	4
6	79	21	23	8
7	84	16	4	4
8	89	11	29	6
9	100	0	0	4
10	100	0	0	0
11	79	21	39	11
12	81	19	0	11
13	96	4	30	13

Question 15: Were your most pressing questions about each of the following areas answered during the Summer Institute?

General Program Structure (Tables 19A,19B)

Seminars with National Lecturers (Tables 20A,20B)

Practicums (Tables 21A,21B)

Most respondents felt their most pressing questions about the three program areas specified in the survey were answered during the Summer Institute (General Program Structure, 90%, Tables 19A and B; Seminars with National Lecturers, 89%, Tables 20A and B; Practicums, 95%, Tables 21A and B).

It should be noted in Tables 19A, 20A and 21A that a higher percentage of respondents in Engineering Technology than in any other position category felt that their most pressing questions were not answered, although in no case was the chi-square test of association significant.

Respondents were asked to list questions they still had if their most pressing questions were not answered in each of the three areas specified. Questions about general program structure relate primarily to the dissertation. Some specific concerns about the dissertation are: (1) Selection of an advisor and the possibility of selecting an advisor at this point in the program rather than in the third year; (2) the format of the dissertation; and (3) the length of time in which a participant must complete the dissertation. Other questions about general program structure related to the amount of structure (e.g., prescription of course of study), flexibility and opportunity for individuality within the program. The third area of questions related to clarification and definition of the Engineering Technology specialization.

Questions about seminars with national lecturers relate primarily to: (1) The size of lecture groups (i.e., too large); (2) scheduling cluster visits of national lecturers; and (3) selection of national lecturers for cluster visits.

The areas of concern related to Practicums are: (1) Requirements for practicums during the third year (i.e., will two practicums be required in addition to the dissertation); and (2) the possibility of initiating a practicum after completion of a module (i.e., it is sometimes difficult to develop a practicum proposal in an area of new knowledge concurrent with participation in the module area).

Question 16: Overall, which sessions did you enjoy most? (Tables 22A,22B)

Both general and concurrent sessions were enjoyed equally well by approximately 58% of the survey respondents (Tables 22A,22B). Although there is a significant (P=.01) but very weak relationship (Lambda=0%) between present position and sessions most enjoyed (Table 22A), it should be noted that none of the Educational Technology respondents enjoyed the general sessions most.

Question 17: Did you personally have an opportunity to speak with (or ask questions of) national lecturers and session speakers:

During General Sessions (Tables 23A,23B)
During Concurrent Sessions (Tables 24A,24B)
Outside Scheduled Sessions (Tables 25A,25B)

Question 17 shows an interesting pattern. Most survey respondents (about 93%; Tables 24A,24B,25A,25B) personally had an opportunity to speak with (or ask questions of) national lecturers and session speakers during concurrent sessions as well as outside scheduled sessions, while about 56% (Tables 23A,23B) had this opportunity during general sessions.

No chi-square tests of association were significant for present position (Tables 23A,24A,25A) or cluster membership (Tables 23B,24B,25B), indicating that, in this study, the respondent's perceived opportunity to interact with lecturers and speakers cannot be predicted by his or her present position or cluster membership.

However, in all three sections of question 17, general sessions, concurrent sessions and outside scheduled sessions, more respondents in administration than in any other position category indicated that they had an opportunity to speak with (or ask questions of) session speakers and lecturers (Tables 23A,24A,25A). Further, Table 23A shows that fewer respondents in Educational Technology than persons in other position categories indicated that they had an opportunity to interact with lecturers and session speakers during general sessions (Educational Technology, 33%; other Position Categories, 50%-67%). Table 24A shows the same pattern of interaction for concurrent sessions (Educational Technology, 77%; other Position Categories, 90%-97%).

It should also be noted that the number of non-respondents to question 17 is highest when asked about communication with lecturers and session speakers during general sessions and lowest when asked about communication with identified persons outside scheduled sessions.

Question 18: Did you personally have an opportunity to speak with (or ask questions of) participants from other clusters:

During General Sessions (Tables 26A,26B)
During Concurrent Sessions (Tables 27A,27B)
Outside Scheduled Sessions (Tables 28A,27B)

Question 18 shows an expected pattern. Most respondents had more opportunity to communicate with participants from other clusters outside scheduled sessions (98%; Tables 28A,28B) than during concurrent sessions (87%; Tables 27A,27B) or during general sessions (74%; Tables 26A,26B). Interestingly, as in question 17, responses to all three sections of question 18 have no significant relationship to either the present position or cluster membership of the respondent. This would seem to indicate that opportunity to interact with other participants (and lecturers and session speakers) in a range of situations, that is, structured (general sessions), somewhat structured (concurrent sessions) and unstructured (outside scheduled sessions) may have been: (1) facilitated by the program, scheduling pattern and physical facilities of the Summer Institute; (2) deliberately created by the participants themselves; and (3) encouraged by the behavior of national lecturers, session speakers and the Nova staff.

As in question 17, which asks about interaction with session speakers and national lecturers, the number of nonrespondents to question 18 decreases when asked about communication with participants during general sessions to communication outside scheduled sessions.

Respondents were asked to indicate in Question 14 (See Survey, Appendix B): (1) The number of participants with whom they communicated for specific activities prior to the Summer Institute; and (2) the number of participants with whom they intended to communicate for specific activities as a result of the Summer Institute. Analysis of Question 14 (Figure 3)[12] is included in this section because it documents further patterns of interaction during the Institute.

Figure 3 shows that, for 12 of the 13 clusters responding to question 14: (1) Respondents in all clusters indicated increased communication within their own clusters for the five specific activities listed as a result of the Institute (M), and six of the twelve clusters in "other activities" (Activity VI) as well; (2) participants of nine clusters communicated with participants of at least ten clusters other than their own;[13] (3) participants in all clusters communicated with members of at least four other clusters; and (4) respondents in all clusters (except 11, which has entries in almost all cells of Figure 3) seem to have communicated with participants from other clusters about some activities more than others, possibly reflecting interests and needs relevant more to some clusters than to others.

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[12] Numbers indicated by respondents for "prior to" and "as a result of" the Summer Institute were used to obtain measures of increased (or new) communication within the respondent's cluster and with other clusters for the listed activites. Also, entries in Figure 3 may reflect the responses of one or more survey respondents. Figure 3 is included to illustrate patterns of interaction rather than numbers of responses.

[13] A sample letter from a cluster participant relating to increased inter-cluster communication appears in Appendix D.

Question 19-21: In your opinion, which General Session (19), Concurrent Session related to your area of specialization (20) and Concurrent Session related to module areas (21) was the most interesting?

A random sample of surveys representing all position categories was drawn from 11 of the 13 clusters[14] in order to determine respondents' preferences for General Sessions (Question 19), Concurrent Sessions relating to area of specialization (Question 20) and Concurrent Sessions relating to module areas (Question 21). Almost all scheduled sessions were mentioned for each question. One general session, however, was cited as most interesting more frequently than any other, "The Dissertation".

Question 22: Were facilities for the following activities adequate?

General Sessions (Table 29)
Concurrent Sessions (Table 30)
Coffee Breaks (Table 31)
Cocktails (Table 32)
Monday, Friday Evening Banquets (Table 33)

All percentages reported for all sections of question

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[14] Clusters 1 and 10 did not have respondents in each position category.

Figure 3

Inter-Cluster Communication (Data from Question 14)

KEY: R = As a result of Summer Institute

M = Prior to Summer Institute, but increase as a result of Summer Institute

I = To get professional assistance for problem in job.

II = To get assistance on practicum or work in study area.

III = To plan a national participant organization.

IV = To plan an activity with another cluster.

V = To maintain a personal friendship.

VI = Other (Social, maintain written correspondence, general sharing of educ. ideas, preliminary thesis work)

CODE #	CLUSTER NAME	CODE #	CLUSTER NAME
1	Broward, Fla.	8	New Haven, Conn.
2	Chicago, Ill.	9	Orlando, Fla.
3	Hampton, Va.	10	Pensacola, Fla.
4	Hillsborough, Fla.	11	Sacramento, Calif.
5	Jacksonville, Fla.	12	St. Petersburg, Fla.
6	Long Island, N.Y.	13	San Francisco, Calif.
7	Miami-Dade, Fla.		

Figure 3

Inter-Cluster Communication (Data from Question 14)

CLUSTER	Activity	CLUSTER												
		1	2	3	4	5	6	7	8	9	10	11	12	13
1	I													
	II													
	III													
	IV													
	V													
	VI													
2	I		M	R	R	R	R			R	R	R		
	II		M		R			R				R	R	R
	III		M	R	R			R	R	R	R	R		
	IV		M											
	V		M											
	VI		M	R	R	R	R	R	R	R	R	R	R	R
3	I	R	R	M	R	R								
	II			M	R	R								
	III			M										
	IV			M										
	V			M		R			R			R		
	VI	R		M										
4	I				M									
	II		R		M		R			R	R			
	III				M									
	IV		R		M		R							
	V				M									
	VI												M	
5	I	R	R	R	R	M	R	R	R	R	R	R	R	R
	II	R	R	R	R	M	R	R	R	R	R	R	R	R
	III	R	R			M								
	IV			R	R	M								
	V	R	R	R	R	M	R	R	R	R	R	R	R	R
	VI													

Figure 3 continued

CLUSTER	Activity	CLUSTER												
		1	2	3	4	5	6	7	8	9	10	11	12	13
6	I						M	R						
	II	R					M					R		
	III	R					M							
	IV	R					M							
	V						M					R		
	VI	R				R	M	R	R					
7	I	M			R			M			R	R	R	R
	II	M			R			M						
	III	M	R	R	R			M						
	IV	M	R					M	R		R	R	R	R
	V	M	R	R	R	R	R	M	R	R	R	R	R	R
	VI			R		R	R		R		R	R	R	R
8	I		R						M					
	II								M		R		R	
	III	R	R	R	R	R		R	M		R	R		
	IV		R					R	M		R	-		R
	V	R	R	R			R	R	M				R	R
	VI													
9	I	R	R	R	R			R		M	R	R	R	R
	II	R	R	R	R	R	R	R		M	R	R	R	
	III	R	R	R	R	R	R	R	R	M	R	R	R	
	IV									M	R			
	V	R	R	R	R	R	R	R	R	M	R	R	R	R
	VI	R						R	R	M				
10	I	R			R	R		R		R	M			R
	II	R		R	R	R		R		R	M		R	R
	III										M		R	
	IV					R		R		R	M		R	
	V	R	R		R	R		R		R	M	R	R	R
	VI													

Figure 3 continued

CLUSTER	Activity	CLUSTER												
		1	2	3	4	5	6	7	8	9	10	11	12	13
11	I	R	R	R	R	R	R	R	R	R	R	M	R	R
	II	R	R	R	R	R	R	R	R	R	R	M	R	R
	III	R	R	R	R	R	R	R	R	R	R	M	R	R
	IV	R	R			R		R		R		M	R	R
	V	R	R	R	R	R	R	R	R	R	R	M	R	R
	VI	R	R	R	R	R	R	R	R	R	R	M	R	R
12	I	R	R		R					R			M	R
	II		R	R	R	R	R	R	R	R	R	R	M	R
	III												M	
	IV				R								M	
	V	R			R				R	R	R		M	
	VI							R					M	
13	I													M
	II													M
	III													M
	IV													M
	V								R	R				M
	VI	R	R	R	R	R	R	R	R	R	R	R	R	M

22 are obtained from Tables 29-33, responses of total population.[15] Figure 4 presents a summary of Tables 29-33, adequacy of facilities for general sessions, concurrent sessions, coffee breaks, cocktails and banquets.

Figure 4

Adequacy of Facilities

Activity	Response Yes	 No
General Sessions	91%	9%
Concurrent Sessions	90%	10%
Coffee Breaks	79%	21%
Cocktails	95%	5%
Banquets	97%	3%

Figure 4 shows that facilities for coffee breaks were considered adequate by only 79% of the respondents, whereas facilities for all other activities were considered adequate by at least 90%. Facilities for cocktails and banquets obtained the highest ratings (95%, 97%).

Question 23: How many miles did you travel in one direction to attend the Summer Institute?

Question 24: By what means did you travel to the Summer Institute? (Tables 34A,34B)

A tally of responses to question 23, the number of miles traveled in one direction to reach the Summer Institute, indicates a range of "one block" to "3000+" miles.

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[15] Tables 29-33 are in Appendix C. Each table precedes Table A (crossbroken by response and present position) and Table B (crossbroken by response and cluster membership) for that section of Question 22. For example, Table 29 precedes Tables 29A and 29B.

More respondents used automobiles (Tables 34A, 34B; 57%) than used airline transportation (40%). Only 3% used other means of transportation. Most of those who used other means than airplane and auto indicated that they used campers.[16]

As might be expected, there is a very strong relationship between the means of transportation used to reach the Institute and the cluster membership (lambda=72%; Table 34B). All Broward, Hillsborough, and Pensacola respondents, and most respondents from other Florida clusters (Table 34B: Jacksonville, 96%; Orlando, 96%; St. Petersburg 94%; Miami-Dade, 93%) used automobiles to reach the Institute. The two Miami-Dade cluster members who indicated they traveled by airplane may have had to travel to the Institute from a temporary location away from home. Respondents of only two clusters, Hampton and New Haven, indicated means of travel other than airplane or automobile.

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[16] Obtained from an examination of the surveys.

Question 25: In your opinion is there any activity or session that should have been, but was not included in the Summer Institute? (Tables 35A,35B)

Forty-one percent of all respondents indicated that there was an activity or session that should have been, but was not included in the Summer Institute (Tables 35A,35B). When present position is considered (Table 35A), 77% of respondents in Engineering Technology (compared with 33% to 43% in other position categories) indicated this response. The lambda obtained for improving the prediction of the response from present position is 9%, although chi-square is not significant (P=.02).

It has previously been reported that a higher percentage of respondents in Engineering Technology than in other position categories felt that their most pressing questions about general program structure, seminars with national lecturers and practicums were not answered during the Summer Institute (see Question 15, Tables 19A,20A,21A).

Activities cited by respondents which should have been, but were not included in the Summer Institute are (the order of the items listed below does not indicate a ranking of items):

1. Sharing of completed practicums arranged by module areas (perhaps include only those of high quality);
2. Sharing by program participants of unusual, exciting activities within their own schools;
3. More small group sessions in a workshop format;

4. Distribution of illustrative materials during sessions (or perhaps prior to sessions);
5. Independent study sessions on specific problem areas (special interest groups);
6. Small group rap sessions to express feelings and ask questions;
7. Scheduled social event at Nova University;
8. Presence at Institute of all national lecturers;
9. Sessions related to Educational Technology;
10. Evening "bull sessions" with national lecturers; and
11. Meeting of cluster coordinators.

Question 26: In your opinion, is there any area of expertise that should have been, but was not represented by the session speakers and discussants? (Tables 36A,36B)

About 22% of all respondents felt that there was an area of expertise that should have been, but was not represented by session speakers and discussants (Tables 36A,36B). Table 36A shows that a significant (P=.01), although not very strong (lambda=9%) relationship is obtained between response and present position. More Engineering Technology respondents (64%) than persons in other position categories (18% to 30%) indicated this response. This finding is consistent with data obtained in questions 15 and 25 which also show that Engineering Technology persons felt, more than persons in other position categories, that the Institute program did not adequately meet their specific needs as represented in each of the questions.

The areas of expertise which survey respondents indicated should have been but were not included in the Summer Institute are (the order of the items listed below does not indicate a ranking of items):

1. State and Federal guidelines for and sources of funding;
2. State and Federal legislators (and legislation) who have an impact on funding programs in the community colleges (perhaps have legislators represented at the 1973-1974 Institute);
3. Pupil job placement; and
4. Educational Technology (e.g., management systems).

Question 27: In your opinion, did the Summer Institute "knit together" the many components of the Ed.D. Program? (Tables 37A,37B)

Ninety-five percent of all survey respondents indicated that, in their opinion, the Summer Institute knit together the many program components (Tables 37A,37B). Consistent with findings in questions 15, 25 and 26 more Engineering Technology persons than persons in other position categories did not feel that the Institute "knit it all together" (Table 37A: 29% Engineering Technology respondents; 2% to 6% respondents in other position categories).

Question 28: Was your single most important objective accomplished during the Summer Institute? (Tables 38A,37B)

Ninety-five percent of the survey respondents indicated that their single, most important objective was accomplished during the Summer Institute (Tables 38A,38B). Interestingly, there are no significant differences when either present position or cluster membership are considered. At least 91% of persons in each position category (Table 38A) and at least 87% of persons in each cluster category (Table 38B) felt that their most important objective was met.

The single, most important objective which respondents cited in the surveys consistently related to obtaining an overall understanding of the total Ed.D. program.

IV. SUMMARY

Most participants (78%; Table 1A,1B) stayed at the Diplomat Hotel during the Summer Institute, and, as expected there is a strong relationship between this factor and cluster membership (Table 1B). Those who stayed at the Diplomat felt that the facilities and food were adequate, but many indicated that the food was too expensive. Further, 35% of the respondents brought their spouses with them (Tables 6A,6B) and 26% brought their children (Tables 7A,7B). Those who brought families with them to the Institute are primarily from clusters located in the Northeastern states and Florida. Although most persons stayed in Florida only for the Summer Institute (71%; Tables 12A,12B), many indicated that they remained at least one additional day, possibly to qualify for airline excursion rates.

Respondents in two clusters indicated that their institutions are paying a portion of the cost of the Institute, while 98% of the respondents are paying the total cost themselves (Tables 8A,8B). Only 6% of the respondents borrowed money from a federally insured loan to help defray costs (Tables 10A,10B).

Facilities for most scheduled activities were considered quite adequate (90%-97%) with facilities for coffee breaks considered adequate by only 74% (Figure 4).

More respondents used automobiles (57%; Tables 34A, 34B) than used airline transportation (40%). Further, respondents indicated a range of "1 block" to "3000+" miles traveled in one direction to reach the Summer Institute.

Ninety-six percent of the respondents felt that one week was long enough for the Institute (Tables 11A,11B). Some respondents (among the remaining 4%) noted that 3-4 days would have been sufficient. Further, early August is preferred for the Institute by more than 60% of the respondents.

Some respondents would have liked more free time during the Institute. When present position is considered 60-74% felt they had enough free time (Table 14A). However, when clusters are considered, 44%-100% felt they had enough free time (Table 14B).

Most respondents (89%; Tables 15A,15B) rated the Summer Institute as either excellent or good. Also, 94% (Tables 17A,17B) would want to attend a Summer Institute again next year. Seventy-two percent would not want to attend a regional Institute rather than a national Institute (Tables 16A,16B).

Respondents most pressing questions about the three program areas specified were, for the most part, answered during the Institute (89%-95%; Tables 19A-21B), although a lower percentage of persons in Educational Technology than in other position categories felt that their questions had been answered. Participants' questions not answered adequately related primarily to: the dissertation; the size of lecture groups, selection and scheduling of national lecturers; and requirements for practicums during the third year.

Overall, most participants (58%; Tables 22A,22B) enjoyed general and concurrent sessions equally well.

Participants generally had more opportunity to interact with session speakers and lecturers during concurrent sessions (93%; Tables 24A,24B) and outside scheduled sessions (93%; Tables 25A,25B) than during General Sessions (56%; Tables 23A,23B). Although no strong relationships were obtained, a higher percentage of persons in Administration than in other position categories indicated opportunities for interaction in all three session categories, and a lower percentage of persons in Educational Technology than in other position categories indicated this opportunity during general and concurrent sessions.

Respondents indicated that they had more opportunity for interaction with participants from other clusters outside scheduled sessions (98%; Tables 28A,28B) than during concurrent (87%; Tables 27A,27B) or general sessions (74%; Tables 26A,26B). Further, there seems to have been increased communication among cluster members within a particular cluster as well as between members of different clusters as a result of the Summer Institute (Figure 3).

Although almost all scheduled sessions were mentioned by respondents as most interesting, one general session, "The Dissertation", was cited most frequently.

Many respondents (41%; Tables 35A,35B) indicated that there was an activity or session that should have been, but was not included in the Summer Institute. A higher percentage (77%) of participants in Educational Technology than in other position categories indicated this response. Activities or sessions which respondents felt should have been, but were not included related primarily to: (1) Sharing of participant-developed materials (e.g., Practicums) and ideas and happenings within institutions; and (2) small group sessions (e.g., special interest groups, "bull" sessions).

Some participants (22%; Tables 36A,36B) felt that there was an area of expertise that should have been, but was not represented by session speakers and discussants. A higher percentage of respondents in Educational Technology (64%) than in other position categories (18% to 30%) indicated this response. The areas of expertise that respondents noted should have been, but were not included related to: (1) Obtaining funding; (2) pupil job placement; and (3) educational technology.

Ninety-five percent of all respondents indicated that the Institute "knit it all together" for them (Tables 37A, 37B), although more persons in Educational Technology (29%) than in other position categories (2% to 6%)

indicated that, for them, the Institute did not knit together the many program components.

Also, 95% of the respondents felt that their single, most important objective was accomplished during the Summer Institute (Tables 38A,38B). The single, most important objective cited by respondents consistently related to obtaining an overall understanding of the Ed.D. program.

V. CONCLUSIONS

The theme of the first Summer Institute of the Ed.D. Program for Community College Faculty was "Knitting It All Together." This objective was accomplished for 95% of the survey respondents. Several Summer Institute Survey questions help to identify the process by which the many program components may have been integrated into a viable entity, in particular, those questions relating to opportunity for communication and the degree to which participants' questions were answered and objectives met.

The percentages obtained for opportunity to interact in both communication questions (17 and 18) can be considered quite high. That 56% of the respondents felt that they had an opportunity to interact with speakers and lecturers during general sessions might be considered an indication that participants perceived the Institute environment to be open and supportive. As might be expected, the lowest percentages were obtained for opportunity for communication with speakers and lecturers and other participants during general sessions and the highest outside scheduled sessions. Almost all respondents indicated that they were able to interact with speakers and lecturers (93%) and other participants (98%) outside scheduled sessions.

Further, the Institute seems to have increased communication within a cluster as well as among members of different clusters. In this sense, the Institute may be viewed as a retreat, in which persons are in constant contact with one another, away from personal and possibly distracting influences, focusing continually on common problems and objectives and, perhaps most important, getting to know colleagues on a personal as well as professional basis.

That 94% of the respondents felt that they had enough free time during the Institute and 72% prefer a national rather than regional Institute provide additional indications of the process of interpersonal communication which seems to have evolved during the Institute despite the fact that meetings were scheduled from 8:30-5:30 daily.

In addition, participants formalized both intercluster communication and their role in providing program input. During the Summer Institute the participants organized a group to include representatives from each cluster to discuss common problems and concerns. As a result of this, each cluster will send a representative to the mid-year planning conference.

The second part of the integration or "knitting it all together" process is documented by the number of respondents who felt that their major questions were answered in each of the specified areas (89% to 95%). Those areas which still require clarification, the dissertation and related to the dissertation, practicum requirements during the third year, are, interestingly, the focus of a special meeting of the Nova staff and national lecturers in the Fall of 1973.

Further, despite the fact that 41% of the respondents felt that there were activities and sessions that should have been, but were not included and 22% felt that certain areas of expertise were not represented in the Institute, most respondents' (95%) single, most important objective was met during the Institute. The single, most important objective cited by respondents most frequently, gaining an understanding of the total program, may be interpreted as a restatement of "knitting it all together". In other words, the entire theme of this first Institute seems to have met a general need to have anxieties reduced and ambiguities clarified.

Respondent satisfaction with the Institute is further documented by the number of respondents who rated the Institute excellent or good (87%), and the number who would want to return to an Institute next summer (94%). Since 98% of the respondents paid the total cost of the Institute themselves, and 94% would want to return next year, it would seem that participants derived many benefits from the Institute. Some of these benefits, both program and personal, have already been discussed.

It might be useful, prior to the 1974 Institute, to survey program participants as to precisely what factors account for their intent to return next year, since they are required to attend only two of the three Institutes during their three years in the program. At the same time, it might be possible to assess program participants' needs and expectations for the 1974 Institute. Surveying participants' needs and expectations for the 1974 Institute should be a valuable planning tool, since about half of the participants will have already attended one Institute and about half will have been in the program for one year or less by next summer.

Although the Institute met most respondents' objectives, Educational Technology persons consistently indicated that they felt theirs were not adequately met. Next year's Institute should include more activities specifically designed to meet the needs and interests of those in Educational Technology.

Two areas of concern should be considered in relation to all program participants: (1) Activities, sessions and areas of expertise which respondents indicated should have been included in this year's Institute should be considered for inclusion in the 1974 Institute; and (2) concerns which respondents still had at the conclusion of the Institute should be alleviated during this current year. One category of suggested activities or sessions that participants felt should have been included seems particularly relevant to both areas of concern; more unstructured small group activity based on special interests, problems and needs in which participants might explore, share and possibly plan and implement during the Institute certain desired activities.

The national character of the program was highlighted very forcefully by participants indicating that they traveled "one block" to "3000+" miles in one direction to reach the Summer Institute. This finding, perhaps more than any other data contained in this report, emphasizes the vast geographic area serviced by the Ed.D. Program for Community College Faculty.

APPENDIX A:
NEEDS ASSESSMENT QUESTIONNAIRE

NOVA UNIVERSITY NATIONAL Ed.D. PROGRAM FOR

COMMUNITY COLLEGE FACULTY

Dear Participant:

We would like to make this first Summer Institute exciting, meaningful, and helpful to you. Therefore, we would greatly appreciate your cooperation in completing the following short form and returning it in the stamped, self-addressed envelope by Monday, July 30, 1973.

Name________________________

Cluster________________________

Teaching Faculty
Counselor & Student Personnel
Services Staff
Administrator

1. Please list your most pressing questions about the Ed.D. Program for each of the following areas.

   a. General Program Structure:

   (1) ________________________________

   (2) ________________________________

   (3) ________________________________

   (4) ________________________________

   (5) ________________________________

   b. Seminars with National Lecturers:

   (1) ________________________________

   (2) ________________________________

   (3) ________________________________

   (4) ________________________________

   (5) ________________________________

   c. Practicums:

   (1) ________________________________

   (2) ________________________________

   (3) ________________________________

(4) ______________________________

(5) ______________________________

2. What is the single, most important objective of the Summer Institute for you? ______________________________

____

3. List any other expectations you have for the Summer Institute..

(a) ______________________________

(b) ______________________________

(c) ______________________________

(d) ______________________________

(e) ______________________________

APPENDIX B:
SUMMER INSTITUTE SURVEY

NOVA UNIVERSITY NATIONAL Ed.D. PROGRAM FOR COMMUNITY COLLEGE FACULTY

SUMMER INSTITUTE SURVEY

Name____________________________

Cluster____________________________

Present Position:
___Administration
___Behavioral Science
___Curriculum and Instruction
___Engineering Technology

---

1. Did you room at the Diplomat during the Summer Institute? __Yes __ No

   a. If Yes:
   Were the facilities adequate? ___Yes ___No
   Was the food to your liking? ___Yes ___No

   b. If No:
   Did you stay with friends or relatives? ___Yes ___No
   Did you stay at a different hotel? ___Yes ___No

---

2. Did your spouse come with you to the Summer Institute? ___Yes ___No

---

If you do not have children, please skip to question 4.

3. Did any of your children come with you to the Summer Institute? ___Yes ___No
   If yes, how many? _____

---

4. Who is paying for your participation in the Summer Institute?

   __I am paying the total cost myself.
   __I am paying a portion of the cost and my school is paying a portion.
   __My school is paying the total cost.

If your school is paying the total cost of your participation in the Summer Institute, please skip to question 6.

5. How much do you estimate that the Summer Institute has cost you?
   Please don't include expenses for spouse or children).

   __less than $50
   __$50 - $100
   __$101 - $200
   __$201 - $300
   __$301 - $400
   __$400 - $500
   __more than $500

6. Did you borrow money from a federally insured loan to help pay for your costs for the Summer Institute? ___Yes ___No

---

7. In your opinion, was one week long enough for the Summer Institute? __Yes ___No

If No, how long should it have been?
___2 weeks
___3 weeks
___other: ___weeks

If you live in South Florida, please skip to question 9.

8. How long did you (or will you) stay in South Florida?

___Just for the Summer Institute
___Additional days--specify number: ___days

---

9. In your opinion, when is the best time to schedule the next Summer Institute?

__Early June
__Mid June
__Late June
__Early July
__Mid July
__Late July
__Early August
__Mid August
__Late August

---

10. Did you have enough free time during the Summer Institute?___Yes ___No

11. How would you rate the Summer Institute?
___Excellent
___Good
___Fair
___Poor

12. Would you prefer to attend a regional Summer Institute (for example, in California, New York or Ft. Lauderdale) rather than a national institute? Yes ___No

13. Would you want to at[illegible] a Summer Institute again next year? ___Yes ___No

Clusters are identified by the following code numbers in question 14. The table to be completed for question 14 is on page 4.

CODE #	CLUSTER NAME	CODE #	CLUSTER NAME
1	Broward, Fla.	8	New Haven, Conn.
2	Chicago, Ill.	9	Orlando, Fla.
3	Hampton, Va.	10	Pensacola, Fla.
4	Hillsborough, Fla.	11	Sacramento, Calif.
5	Jacksonville, Fla.	12	St. Petersburg, Fla.
6	Long Island, N.Y.	13	San Francisco, Calif.
7	Miami-Dade, Fla.		

14. For each cluster identified (by cluster code number) in the following table (page 4), please indicate:

    a. the number of participants with whom you communicated for each activity listed in columns I-VI prior to the Summer Institute, and

    b. the number of participants with whom you intend to communicate for each activity listed in columns I-VI as a result of the Summer Institute

15. Were your most pressing questions about each of the following areas answered during the Summer Institute?

    General Program Structure __Yes __No

    If No, please list any questions you still have____________________

    Seminars with National Lecturers __Yes __No

    If No, please list any questions you still have____________________

    Practicums __Yes __No

    If No, please list any questions you still have____________________

Table to be used for question 14

ACTIVITY / CLUSTER CODE NUMBER	I To get professional assistance for problem in job		II To get assistance on practicum or work in study area		III To plan a national participant organization		IV To plan an activity with another cluster		V To maintain a personal friendship		VI Other: (Please specify)	
	a Prior to S.I.	b As a result of S.I.	a Prior to S.I.	b As a result of S.I.	a Prior to S.I.	b As a result of S.I.	a Prior to S.I.	b As a result of S.I.	a Prior to S.I.	b As a result of S.I.	a Prior to S.I.	b As a re sult of S.I.
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												

16. Overall,which sessions did you enjoy most?

___General Sessions
___Concurrent Sessions
___Both General and Concurrent Sessions equally well

17. Did you personally have an opportunity to speak with (or ask questions of) national lecturers and session speakers:

Yes	No	
___	___	During General Sessions
___	___	During Concurrent Sessions
___	___	Outside Scheduled Sessions

18. Did you personally have an opportunity to speak with (or ask questions of) participants from other clusters:

Yes	No	
___	___	During General Sessions
___	___	During Concurrent Sessions
___	___	Outside Scheduled Sessions

19. In your opinion, which General Session was the most interesting?

Session Title:____

20. In your opinion, which Concurrent Session related to your area of specialization was the most interesting?

Session Title:____

21. In your opinion, which Concurrent Session related to module areas was the most interesting?

Session Title____

---

22. Were facilities for the following activities adequate?

Yes	No	
___	___	General Sessions
___	___	Concurrent Sessions
___	___	Coffee Breaks
___	___	Cocktails
___	___	Monday, Friday Evening Banquets

---

23. How many miles did you travel to attend the Summer Institute?

_________miles in one direction

24. By what means did you travel to the Summer Institute?

__by airplane
__by automobile
__other (please specify)__________

---

25. In your opinion is there any activity or session that should have been, but was not included in the Summer Institute? ___Yes ___No

If Yes, please specify____
____

26. In your opinion, is there any area of expertise that should have been, but was not represented by the session speakers and discussants? ___Yes ___No

If Yes, please specify____
____

---

27. In your opinion, did the Summer Institute "knit together" the many components of the Ed.D. Program? ___Yes ___No

If No, please explain____
____

28. What was the single, most important objective of the Summer Institute for you when you began on Monday?______________________________
____
____

29. Was this objective accomplished during the Summer Institute? ___Yes ___No

General Comments:

APPENDIX C:

TABLES

TABLE 1A

```
RØWS REPRESENT:     PRESENT PØSITIØN: 1 = ADMINISTRATIØN; 2 = BEHAVIØRAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTIØN; 4 = ENGINEERING TECHNØLOGY.


COLUMNS REPRESENT; 1.  DID YØU RØØM AT THE DIPLØMAT DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NØ.



                                          TØTALS
                   1          2
   *******************************************
    CELL FREQ  *    68   *    16   *    84   *
1    %  RØW    *  81.0   *  19.0   *
     %  CØL    *  40.5   *  35.6   *
     %  TABLE  *  31.9   *   7.5   *  39.4   *
   *******************************************
    CELL FREQ  *    33   *     9   *    42   *
2    %  RØW    *  78.6   *  21.4   *
     %  CØL    *  19.6   *  20.0   *
     %  TABLE  *  15.5   *   4.2   *  19.7   *
   *******************************************
    CELL FREQ  *    59   *    13   *    72   *
3    %  RØW    *  81.9   *  18.1   *
     %  CØL    *  35.1   *  28.9   *
     %  TABLE  *  27.7   *   6.1   *  33.8   *
   *******************************************
    CELL FREQ  *     8   *     7   *    15   *
4    %  RØW    *  53.3   *  46.7   *
     %  CØL    *   4.8   *  15.6   *
     %  TABLE  *   3.8   *   3.3   *   7.0   *
   *******************************************
    TL CØL FRQ     168        45        213
     %  TABLE    78.87      21.13
TØTAL SAMPLE SIZE:  241   NUMBER NØT RESPØNDING:  28     PERCENT ØF TØTAL:   11.62


PEARSØN CHI SQUARE TEST ØF ASSØCIATIVITY:     6.4995  ;  DF =  3  ;  P = 0.0897


                                        SYMMETRIC LAMBDA :    0.00000
           CRITERIØN                   PREDICTØR             LAMBDA
           RØW                         CØLUMN                0.00000
           CØLUMN                      RØW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 1.  DID YOU ROOM AT THE DIPLOMAT DURING THE SUMMER INSTITUTE.
                    1 = YES; 2 = NO.

                                              TOTALS
                     1           2
     ****************************************
      CELL FREQ  *      0   *      2   *      2   *
1       %  ROW   *    0.0   *  100.0   *
        %  COL   *    0.0   *    4.0   *
        %  TABLE *    0.0   *    0.9   *    0.9   *
     ****************************************
      CELL FREQ  *     22   *      0   *     22   *
2       %  ROW   *  100.0   *    0.0   *
        %  COL   *   12.6   *    0.0   *
        %  TABLE *    9.8   *    0.0   *    9.8   *
     ****************************************
      CELL FREQ  *     13   *      2   *     15   *
3       %  ROW   *   86.7   *   13.3   *
        %  COL   *    7.5   *    4.0   *
        %  TABLE *    5.8   *    0.9   *    6.7   *
     ****************************************
      CELL FREQ  *     15   *      4   *     19   *
4       %  ROW   *   78.9   *   21.1   *
        %  COL   *    8.6   *    8.0   *
        %  TABLE *    6.7   *    1.8   *    8.5   *
     ****************************************
      CELL FREQ  *     21   *      5   *     26   *
5       %  ROW   *   80.8   *   19.2   *
        %  COL   *   12.1   *   10.0   *
        %  TABLE *    9.4   *    2.2   *   11.6   *
     ****************************************
      CELL FREQ  *     12   *      1   *     13   *
6       %  ROW   *   92.3   *    7.7   *
        %  COL   *    6.9   *    2.0   *
        %  TABLE *    5.4   *    0.4   *    5.8   *
     ****************************************
      CELL FREQ  *      5   *     21   *     26   *
7       %  ROW   *   19.2   *   80.8   *
        %  COL   *    2.9   *   42.0   *
        %  TABLE *    2.2   *    9.4   *   11.6   *
     ****************************************
```

TABLE 1B

```
      CELL FREQ  *    13    *     4    *    17    *
 8     %  ROW    *  76.5    *  23.5    *
       %  COL    *   7.5    *   8.0    *
       %  TABLE  *   5.8    *   1.8    *   7.6    *
     ******************************************
      CELL FREQ  *    18    *     3    *    21    *
 9     %  ROW    *  85.7    *  14.3    *
       %  COL    *  10.3    *   6.0    *
       %  TABLE  *   8.0    *   1.3    *   9.4    *
     ******************************************
      CELL FREQ  *     2    *     2    *     4    *
10     %  ROW    *  50.0    *  50.0    *
       %  COL    *   1.1    *   4.0    *
       %  TABLE  *   0.9    *   0.9    *   1.8    *
     ******************************************
      CELL FREQ  *    16    *     1    *    17    *
11     %  ROW    *  94.1    *   5.9    *
       %  COL    *   9.2    *   2.0    *
       %  TABLE  *   7.1    *   0.4    *   7.6    *
     ******************************************
      CELL FREQ  *    15    *     3    *    18    *
12     %  ROW    *  83.3    *  16.7    *
       %  COL    *   8.6    *   6.0    *
       %  TABLE  *   6.7    *   1.3    *   8.0    *
     ******************************************
      CELL FREQ  *    22    *     2    *    24    *
13     %  ROW    *  91.7    *   8.3    *
       %  COL    *  12.6    *   4.0    *
       %  TABLE  *   9.8    *   0.9    *  10.7    *
     ******************************************
       TL COL FRQ     174         50         224
        %  TABLE    77.68       22.32

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  17     PERCENT OF TOTAL:     7.05


   PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      75.2252  ;  DF = 12  ;  P = 0.0000


                                    SYMMETRIC LAMBDA :   0.14113

   CRITERION                        PREDICTOR            LAMBDA

   ROW                              COLUMN               0.08586

   COLUMN                           ROW                  0.36000
```

TABLE 1B cont.

TABLE 2A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 1A(1). WERE THE FACILITIES ADEQUATE.
                    1 = YES; 2 = NO.



                                          TOTALS
                      1          2
   *****************************************
    CELL FREQ  *     68    *     2    *    70   *
1    %  ROW    *   97.1    *   2.9    *
     %  COL    *   40.7    *  20.0    *
     %  TABLE  *   38.4    *   1.1    *  39.5   *
   *****************************************
    CELL FREQ  *     37    *     3    *    40   *
2    %  ROW    *   92.5    *   7.5    *
     %  COL    *   22.2    *  30.0    *
     %  TABLE  *   20.9    *   1.7    *  22.6   *
   *****************************************
    CELL FREQ  *     54    *     5    *    59   *
3    %  ROW    *   91.5    *   8.5    *
     %  COL    *   32.3    *  50.0    *
     %  TABLE  *   30.5    *   2.8    *  33.3   *
   *****************************************
    CELL FREQ  *      8    *     0    *     8   *
4    %  ROW    *  100.0    *   0.0    *
     %  COL    *    4.8    *   0.0    *
     %  TABLE  *    4.5    *   0.0    *   4.5   *
   *****************************************
     TL COL FRQ     167         10        177
      %  TABLE     94.35       5.65

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  64     PERCENT OF TOTAL:   26.56


  PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       2.6433  ;  DF =  3  ;  P = 0.4500


                                      SYMMETRIC LAMBDA :   0.02564

           CRITERION                  PREDICTOR            LAMBDA

           ROW                        COLUMN               0.02804

           COLUMN                     ROW                  0.00000
```

```
ROWS REPRESENT:      CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                      6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                      11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 1A(1). WERE THE FACILITIES ADEQUATE.
                     1 = YES; 2 = NO.



                                                   TOTALS
                          1           2
   ***********************************************************
    CELL FREQ   *       0     *       0     *       0     *
 1   %  ROW     *     0.0     *     0.0     *
     %  COL     *     0.0     *     0.0     *
     %  TABLE   *     0.0     *     0.0     *     0.0     *
   ***********************************************************
    CELL FREQ   *      21     *       4     *      25     *
 2   %  ROW     *    84.0     *    16.0     *
     %  COL     *    12.2     *    33.3     *
     %  TABLE   *    11.4     *     2.2     *    13.6     *
   ***********************************************************
    CELL FREQ   *      12     *       1     *      13     *
 3   %  ROW     *    92.3     *     7.7     *
     %  COL     *     7.0     *     8.3     *
     %  TABLE   *     6.5     *     0.5     *     7.1     *
   ***********************************************************
    CELL FREQ   *      18     *       0     *      18     *
 4   %  ROW     *   100.0     *     0.0     *
     %  COL     *    10.5     *     0.0     *
     %  TABLE   *     9.8     *     0.0     *     9.8     *
   ***********************************************************
    CELL FREQ   *      21     *       0     *      21     *
 5   %  ROW     *   100.0     *     0.0     *
     %  COL     *    12.2     *     0.0     *
     %  TABLE   *    11.4     *     0.0     *    11.4     *
   ***********************************************************
    CELL FREQ   *      11     *       2     *      13     *
 6   %  ROW     *    84.6     *    15.4     *
     %  COL     *     6.4     *    16.7     *
     %  TABLE   *     6.0     *     1.1     *     7.1     *
   ***********************************************************
    CELL FREQ   *       5     *       0     *       5     *
     %  ROW     *   100.0     *     0.0     *
     %  COL     *     2.9     *     0.0     *
     %  TABLE   *     2.7     *     0.0     *     2.7     *
   ***********************************************************
```

TABLE 2B

TABLE 2B cont.

```
       CELL FREQ  *    12   *     2   *    14   *
  8     %  ROW    *  85.7   *  14.3   *
        %  COL    *   7.0   *  16.7   *
        %  TABLE  *   6.5   *   1.1   *   7.6   *
      ***********************************************
       CELL FREQ  *    20   *     0   *    20   *
  9     %  ROW    * 100.0   *   0.0   *
        %  COL    *  11.6   *   0.0   *
        %  TABLE  *  10.9   *   0.0   *  10.9   *
      ***********************************************
       CELL FREQ  *     1   *     1   *     2   *
 10     %  ROW    *  50.0   *  50.0   *
        %  COL    *   0.6   *   8.3   *
        %  TABLE  *   0.5   *   0.5   *   1.1   *
      ***********************************************
       CELL FREQ  *    14   *     2   *    16   *
 11     %  ROW    *  87.5   *  12.5   *
        %  COL    *   8.1   *  16.7   *
        %  TABLE  *   7.6   *   1.1   *   8.7   *
      ***********************************************
       CELL FREQ  *    15   *     0   *    15   *
 12     %  ROW    * 100.0   *   0.0   *
        %  COL    *   8.7   *   0.0   *
        %  TABLE  *   8.2   *   0.0   *   8.2   *
      ***********************************************
       CELL FREQ  *    22   *     0   *    22   *
 13     %  ROW    * 100.0   *   0.0   *
        %  COL    *  12.8   *   0.0   *
        %  TABLE  *  12.0   *   0.0   *  12.0   *
      ***********************************************
        TL COL FRQ     172        12        184
         %  TABLE     93.48      6.52

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  57     PERCENT OF TOTAL:   23.65
```

TABLE 3A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 1A(2) WAS THE FOOD TO YOUR LIKING.
                    1 = YES; 2 = NO.



                                          TOTALS
                     1          2
  ******************************************
   CELL FREQ *    43    *    18    *    61    *
1    % ROW   *  70.5    *  29.5    *
     % COL   *  47.8    *  30.0    *
     % TABLE *  28.7    *  12.0    *  40.7    *
  ******************************************
   CELL FREQ *    15    *    17    *    32    *
2    % ROW   *  46.9    *  53.1    *
     % COL   *  16.7    *  28.3    *
     % TABLE *  10.0    *  11.3    *  21.3    *
  ******************************************
   CELL FREQ *    29    *    23    *    52    *
3    % ROW   *  55.8    *  44.2    *
     % COL   *  32.2    *  38.3    *
     % TABLE *  19.3    *  15.3    *  34.7    *
  ******************************************
   CELL FREQ *     3    *     2    *     5    *
4    % ROW   *  60.0    *  40.0    *
     % COL   *   3.3    *   3.3    *
     % TABLE *   2.0    *   1.3    *   3.3    *
  ******************************************
   TL COL FRQ     90         60        150
     % TABLE    60.00      40.00

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  91     PERCENT OF TOTAL:   37.76


PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      5.4825  ;  DF =  3  ;  P = 0.1397


                                   SYMMETRIC LAMBDA :    0.04698

             CRITERION             PREDICTOR             LAMBDA

             ROW                   COLUMN                0.05618

             COLUMN                ROW                   0.03333
```

TABLE 3B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 1A(2) WAS THE FOOD TO YOUR LIKING.
                     1 = YES; 2 = NO.



                                                TOTALS
                        1            2
         ***********************************************
          CELL FREQ  *      0    *      0    *      0    *
 1          %  ROW   *    0.0    *    0.0    *
            %  COL   *    0.0    *    0.0    *
            %  TABLE *    0.0    *    0.0    *    0.0    *
         ***********************************************
          CELL FREQ  *      5    *     16    *     21    *
 2          %  ROW   *   23.8    *   76.2    *
            %  COL   *    5.3    *   26.2    *
            %  TABLE *    3.2    *   10.3    *   13.5    *
         ***********************************************
          CELL FREQ  *      9    *      3    *     12    *
 3          %  ROW   *   75.0    *   25.0    *
            %  COL   *    9.6    *    4.9    *
            %  TABLE *    5.8    *    1.9    *    7.7    *
         ***********************************************
          CELL FREQ  *     16    *      1    *     17    *
 4          %  ROW   *   94.1    *    5.9    *
            %  COL   *   17.0    *    1.6    *
            %  TABLE *   10.3    *    0.6    *   11.0    *
         ***********************************************
          CELL FREQ  *     16    *      2    *     18    *
 5          %  ROW   *   88.9    *   11.1    *
            %  COL   *   17.0    *    3.3    *
            %  TABLE *   10.3    *    1.3    *   11.6    *
         ***********************************************
          CELL FREQ  *      3    *      5    *      8    *
 6          %  ROW   *   37.5    *   62.5    *
            %  COL   *    3.2    *    8.2    *
            %  TABLE *    1.9    *    3.2    *    5.2    *
         ***********************************************
          CELL FREQ  *      5    *      1    *      6    *
 7          %  ROW   *   83.3    *   16.7    *
            %  COL   *    5.3    *    1.6    *
            %  TABLE *    3.2    *    0.6    *    3.9    *
         ***********************************************
```

TABLE 3B cont.

```
      CELL FREQ  *     6    *     4    *    10    *
 8     %  ROW    *  60.0    *  40.0    *
       %  COL    *   6.4    *   6.6    *
       %  TABLE  *   3.9    *   2.6    *   6.5    *
    ***********************************************
      CELL FREQ  *    12    *     4    *    16    *
 9     %  ROW    *  75.0    *  25.0    *
       %  COL    *  12.8    *   6.6    *
       %  TABLE  *   7.7    *   2.6    *  10.3    *
    ***********************************************
      CELL FREQ  *     2    *     0    *     2    *
10     %  ROW    * 100.0    *   0.0    *
       %  COL    *   2.1    *   0.0    *
       %  TABLE  *   1.3    *   0.0    *   1.3    *
    ***********************************************
      CELL FREQ  *     5    *    10    *    15    *
11     %  ROW    *  33.3    *  66.7    *
       %  COL    *   5.3    *  16.4    *
       %  TABLE  *   3.2    *   6.5    *   9.7    *
    ***********************************************
      CELL FREQ  *     7    *     4    *    11    *
12     %  ROW    *  63.6    *  36.4    *
       %  COL    *   7.4    *   6.6    *
       %  TABLE  *   4.5    *   2.6    *   7.1    *
    ***********************************************
      CELL FREQ  *     8    *    11    *    19    *
13     %  ROW    *  42.1    *  57.9    *
       %  COL    *   8.5    *  18.0    *
       %  TABLE  *   5.2    *   7.1    *  12.3    *
    ***********************************************
       TL COL FRQ     94         61         155
        %  TABLE   60.65      39.35

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  86      PERCENT OF TOTAL:   35.68
```

TABLE 4A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.

COLUMNS REPRESENT: 1B(1) DID YOU STAY WITH FRIENDS OR RELATIVES.
                    1 = YES; 2 = NO



                                                    TOTALS
                        1           2
     *******************************************************
      CELL FREQ  *      6    *     13    *      19    *
1      %  ROW    *   31.6    *   68.4    *
       %  COL    *   35.3    *   38.2    *
       %  TABLE  *   11.8    *   25.5    *    37.3    *
     *******************************************************
      CELL FREQ  *      4    *      7    *      11    *
2      %  ROW    *   36.4    *   63.6    *
       %  COL    *   23.5    *   20.6    *
       %  TABLE  *    7.8    *   13.7    *    21.6    *
     *******************************************************
      CELL FREQ  *      7    *     11    *      18    *
3      %  ROW    *   38.9    *   61.1    *
       %  COL    *   41.2    *   32.4    *
       %  TABLE  *   13.7    *   21.6    *    35.3    *
     *******************************************************
      CELL FREQ  *      0    *      3    *       3    *
4      %  ROW    *    0.0    *  100.0    *
       %  COL    *    0.0    *    8.8    *
       %  TABLE  *    0.0    *    5.9    *     5.9    *
     *******************************************************
       TL COL FRQ      17          34           51
        %  TABLE     33.33       66.67

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING: 190      PERCENT OF TOTAL:    78.84


PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       1.8218  ;  DF =  3  ;  P = 0.6102


                                          SYMMETRIC LAMBDA :    0.02041
          CRITERION                       PREDICTOR             LAMBDA

          ROW                             COLUMN                0.03125

          COLUMN                          ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 1B(1) DID YOU STAY WITH FRIENDS OR RELATIVES.
                     1 = YES; 2 = NO



                                              TOTALS
                        1            2
     ******************************************
      CELL FREQ  *      0    *       1    *      1   *
1      %  ROW    *    0.0    *   100.0    *
       %  COL    *    0.0    *     2.7    *
       %  TABLE  *    0.0    *     1.9    *    1.9   *
     ******************************************
      CELL FREQ  *      1    *       5    *      6   *
2      %  ROW    *   16.7    *    83.3    *
       %  COL    *    5.9    *    13.5    *
       %  TABLE  *    1.9    *     9.3    *   11.1   *
     ******************************************
      CELL FREQ  *      0    *       2    *      2   *
3      %  ROW    *    0.0    *   100.0    *
       %  COL    *    0.0    *     5.4    *
       %  TABLE  *    0.0    *     3.7    *    3.7   *
     ******************************************
      CELL FREQ  *      2    *       1    *      3   *
4      %  ROW    *   66.7    *    33.3    *
       %  COL    *   11.8    *     2.7    *
       %  TABLE  *    3.7    *     1.9    *    5.6   *
     ******************************************
      CELL FREQ  *      2    *       3    *      5   *
5      %  ROW    *   40.0    *    60.0    *
       %  COL    *   11.8    *     8.1    *
       %  TABLE  *    3.7    *     5.6    *    9.3   *
     ******************************************
      CELL FREQ  *      0    *       0    *      0   *
6      %  ROW    *    0.0    *     0.0    *
       %  COL    *    0.0    *     0.0    *
       %  TABLE  *    0.0    *     0.0    *    0.0   *
     ******************************************
      CELL FREQ  *      2    *      14    *     16   *
7      %  ROW    *   12.5    *    87.5    *
       %  COL    *   11.8    *    37.8    *
       %  TABLE  *    3.7    *    25.9    *   29.6   *
     ******************************************
```

TABLE 4B

TABLE 4B cont.

```
    CELL FREQ  *    2    *    2    *    4    *
 8   %  ROW    *  50.0   *  50.0   *
     %  COL    *  11.8   *   5.4   *
     %  TABLE  *   3.7   *   3.7   *   7.4   *
*********************************************
    CELL FREQ  *    2    *    1    *    3    *
 9   %  ROW    *  66.7   *  33.3   *
     %  COL    *  11.8   *   2.7   *
     %  TABLE  *   3.7   *   1.9   *   5.6   *
*********************************************
    CELL FREQ  *    1    *    2    *    3    *
10   %  ROW    *  33.3   *  66.7   *
     %  COL    *   5.9   *   5.4   *
     %  TABLE  *   1.9   *   3.7   *   5.6   *
*********************************************
    CELL FREQ  *    2    *    1    *    3    *
11   %  ROW    *  66.7   *  33.3   *
     %  COL    *  11.8   *   2.7   *
     %  TABLE  *   3.7   *   1.9   *   5.6   *
*********************************************
    CELL FREQ  *    2    *    2    *    4    *
12   %  ROW    *  50.0   *  50.0   *
     %  COL    *  11.8   *   5.4   *
     %  TABLE  *   3.7   *   3.7   *   7.4   *
*********************************************
    CELL FREQ  *    1    *    3    *    4    *
13   %  ROW    *  25.0   *  75.0   *
     %  COL    *   5.9   *   8.1   *
     %  TABLE  *   1.9   *   5.6   *   7.4   *
*********************************************
      TL COL FRQ    17        37        54
       %  TABLE    31.48     68.52

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING: 187     PERCENT OF TOTAL:   77.59
```

TABLE 5A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 1B(2) DID YOU STAY AT A DIFFERENT HOTEL.
                    1 = YES; 2 = NO



                                            TOTALS
                     1          2
   *****************************************************
   CELL FREQ  *      3   *     10   *     13   *
1   %  ROW    *   23.1   *   76.9   *
    %  COL    *   37.5   *   31.3   *
    %  TABLE  *    7.5   *   25.0   *   32.5   *
   *****************************************************
   CELL FREQ  *      2   *      7   *      9   *
2   %  ROW    *   22.2   *   77.8   *
    %  COL    *   25.0   *   21.9   *
    %  TABLE  *    5.0   *   17.5   *   22.5   *
   *****************************************************
   CELL FREQ  *      1   *     13   *     14   *
3   %  ROW    *    7.1   *   92.9   *
    %  COL    *   12.5   *   40.6   *
    %  TABLE  *    2.5   *   32.5   *   35.0   *
   *****************************************************
   CELL FREQ  *      2   *      2   *      4   *
4   %  ROW    *   50.0   *   50.0   *
    %  COL    *   25.0   *    6.3   *
    %  TABLE  *    5.0   *    5.0   *   10.0   *
   *****************************************************
     TL COL FRQ      8         32         40
      %  TABLE   20.00      80.00

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING: 201     PERCENT OF TOTAL:   83.40


PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      3.8011  ;  DF =  3  ;  P = 0.2838


                                        SYMMETRIC LAMBDA :   0.05882

       CRITERION                        PREDICTOR            LAMBDA

       ROW                              COLUMN               0.07692

       COLUMN                           ROW                  0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 1B(2) DID YOU STAY AT A DIFFERENT HOTEL.
                     1 = YES; 2 = NO



                                           TOTALS
                    1          2
     *****************************************
       CELL FREQ  *     0   *     1   *     1   *
 1      %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *   2.9   *
        %  TABLE  *   0.0   *   2.3   *   2.3   *
     *****************************************
       CELL FREQ  *     0   *     6   *     6   *
 2      %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *  17.1   *
        %  TABLE  *   0.0   *  14.0   *  14.0   *
     *****************************************
       CELL FREQ  *     0   *     2   *     2   *
 3      %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *   5.7   *
        %  TABLE  *   0.0   *   4.7   *   4.7   *
     *****************************************
       CELL FREQ  *     1   *     1   *     2   *
 4      %  ROW    *  50.0   *  50.0   *
        %  COL    *  12.5   *   2.9   *
        %  TABLE  *   2.3   *   2.3   *   4.7   *
     *****************************************
       CELL FREQ  *     1   *     2   *     3   *
 5      %  ROW    *  33.3   *  66.7   *
        %  COL    *  12.5   *   5.7   *
        %  TABLE  *   2.3   *   4.7   *   7.0   *
     *****************************************
       CELL FREQ  *     0   *     0   *     0   *
 6      %  ROW    *   0.0   *   0.0   *
        %  COL    *   0.0   *   0.0   *
        %  TABLE  *   0.0   *   0.0   *   0.0   *
     *****************************************
       CELL FREQ  *     0   *    13   *    13   *
 7      %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *  37.1   *
        %  TABLE  *   0.0   *  30.2   *  30.2   *
     *****************************************
```

TABLE 5B

TABLE 5B cont.

```
     CELL FREQ  *     3   *     0    *     3   *
8     %  ROW    *  100•0  *    0•0   *
      %  COL    *   37•5  *    0•0   *
      %  TABLE  *    7•0  *    0•0   *    7•0  *
**********************************************
     CELL FREQ  *     2   *     2    *     4   *
9     %  ROW    *   50•0  *   50•0   *
      %  COL    *   25•0  *    5•7   *
      %  TABLE  *    4•7  *    4•7   *    9•3  *
**********************************************
     CELL FREQ  *     0   *     2    *     2   *
10    %  ROW    *    0•0  *  100•0   *
      %  COL    *    0•0  *    5•7   *
      %  TABLE  *    0•0  *    4•7   *    4•7  *
**********************************************
     CELL FREQ  *     0   *     1    *     1   *
11    %  ROW    *    0•0  *  100•0   *
      %  COL    *    0•0  *    2•9   *
      %  TABLE  *    0•0  *    2•3   *    2•3  *
**********************************************
     CELL FREQ  *     1   *     3    *     4   *
12    %  ROW    *   25•0  *   75•0   *
      %  COL    *   12•5  *    8•6   *
      %  TABLE  *    2•3  *    7•0   *    9•3  *
**********************************************
     CELL FREQ  *     0   *     2    *     2   *
13    %  ROW    *    0•0  *  100•0   *
      %  COL    *    0•0  *    5•7   *
      %  TABLE  *    0•0  *    4•7   *    4•7  *
**********************************************
       TL COL FRQ     8         35          43
        %  TABLE    18•60      81•40

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING: 198     PERCENT OF TOTAL:   82•16
```

TABLE 6A

```
ROWS REPRESENT:    PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 2. DID YOUR SPOUSE COME WITH YOU TO THE SUMMER INSTITUTE.
                    1 = YES; 2 = NO.



                                                 TOTALS
                       1           2
   ***************************************************
     CELL FREQ   *      29   *      55   *      84   *
 1     %  ROW    *    34.5   *    65.5   *
       %  COL    *    36.7   *    38.5   *
       %  TABLE  *    13.1   *    24.8   *    37.8   *
   ***************************************************
     CELL FREQ   *      16   *      33   *      49   *
 2     %  ROW    *    32.7   *    67.3   *
       %  COL    *    20.3   *    23.1   *
       %  TABLE  *     7.2   *    14.9   *    22.1   *
   ***************************************************
     CELL FREQ   *      28   *      46   *      74   *
 3     %  ROW    *    37.8   *    62.2   *
       %  COL    *    35.4   *    32.2   *
       %  TABLE  *    12.6   *    20.7   *    33.3   *
   ***************************************************
     CELL FREQ   *       6   *       9   *      15   *
 4     %  ROW    *    40.0   *    60.0   *
       %  COL    *     7.6   *     6.3   *
       %  TABLE  *     2.7   *     4.1   *     6.8   *
   ***************************************************
      TL COL FRQ        79         143         222
       %  TABLE      35.59       64.41
 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  19     PERCENT OF TOTAL:    7.88

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      0.5164  ;  DF =  3  ;  P = 0.9153

                                           SYMMETRIC LAMBDA :   0.00000
          CRITERION                        PREDICTOR            LAMBDA

          ROW                              COLUMN               0.00000

          COLUMN                           ROW                  0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 2. DID YOUR SPOUSE COME WITH YOU TO THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                              TOTALS
                        1           2
      ***************************************
       CELL FREQ  *     0     *     2    *    2    *
1       %  ROW    *   0.0    *  100.0    *
        %  COL    *   0.0    *    1.3    *
        %  TABLE  *   0.0    *    0.9    *   0.9   *
      ***************************************
       CELL FREQ  *     5     *    19    *   24    *
2       %  ROW    *  20.8    *   79.2    *
        %  COL    *   6.1    *   12.5    *
        %  TABLE  *   2.1    *    8.1    *  10.3   *
      ***************************************
       CELL FREQ  *     4     *    11    *   15    *
3       %  ROW    *  26.7    *   73.3    *
        %  COL    *   4.9    *    7.2    *
        %  TABLE  *   1.7    *    4.7    *   6.4   *
      ***************************************
       CELL FREQ  *    12     *    10    *   22    *
4       %  ROW    *  54.5    *   45.5    *
        %  COL    *  14.6    *    6.6    *
        %  TABLE  *   5.1    *    4.3    *   9.4   *
      ***************************************
       CELL FREQ  *    11     *    15    *   26    *
5       %  ROW    *  42.3    *   57.7    *
        %  COL    *  13.4    *    9.9    *
        %  TABLE  *   4.7    *    6.4    *  11.1   *
      ***************************************
       CELL FREQ  *     5     *     9    *   14    *
6       %  ROW    *  35.7    *   64.3    *
        %  COL    *   6.1    *    5.9    *
        %  TABLE  *   2.1    *    3.8    *   6.0   *
      ***************************************
       CELL FREQ  *     6     *    19    *   25    *
7       %  ROW    *  24.0    *   76.0    *
        %  COL    *   7.3    *   12.5    *
        %  TABLE  *   2.6    *    8.1    *  10.7   *
      ***************************************
```

TABLE 6B

```
      CELL FREQ  *     9   *     9   *    18   *
  8     %  ROW   *  50.0   *  50.0   *
        %  COL   *  11.0   *   5.9   *
        %  TABLE *   3.8   *   3.8   *   7.7   *
 ***********************************************
      CELL FREQ  *     8   *    15   *    23   *
  9     %  ROW   *  34.8   *  65.2   *
        %  COL   *   9.8   *   9.9   *
        %  TABLE *   3.4   *   6.4   *   9.8   *
 ***********************************************
      CELL FREQ  *     2   *     2   *     4   *
 10     %  ROW   *  50.0   *  50.0   *
        %  COL   *   2.4   *   1.3   *
        %  TABLE *   0.9   *   0.9   *   1.7   *
 ***********************************************
      CELL FREQ  *     1   *    18   *    19   *
 11     %  ROW   *   5.3   *  94.7   *
        %  COL   *   1.2   *  11.8   *
        %  TABLE *   0.4   *   7.7   *   8.1   *
 ***********************************************
      CELL FREQ  *     9   *     9   *    18   *
 12     %  ROW   *  50.0   *  50.0   *
        %  COL   *  11.0   *   5.9   *
        %  TABLE *   3.8   *   3.8   *   7.7   *
 ***********************************************
      CELL FREQ  *    10   *    14   *    24   *
 13     %  ROW   *  41.7   *  58.3   *
        %  COL   *  12.2   *   9.2   *
        %  TABLE *   4.3   *   6.0   *  10.3   *
 ***********************************************
       TL COL FRQ     82        152        234
        %  TABLE    35.04      64.96

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   7     PERCENT OF TOTAL:    2.90

    PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     21.0879  ;  DF = 12  ;  P = 0.0491

                                               SYMMETRIC LAMBDA :    0.02414

              CRITERION                      PREDICTOR               LAMBDA

              ROW                            COLUMN                  0.02404

              COLUMN                         ROW                     0.02439
```

TABLE 6B cont.

TABLE 6B cont.

```
      CELL FREQ  *    9    *    9    *   18    *
 8     %  ROW    *  50.0   *  50.0   *
       %  COL    *  11.0   *   5.9   *
       %  TABLE  *   3.8   *   3.8   *   7.7   *
    ***************************************
      CELL FREQ  *    8    *   15    *   23    *
 9     %  ROW    *  34.8   *  65.2   *
       %  COL    *   9.8   *   9.9   *
       %  TABLE  *   3.4   *   6.4   *   9.8   *
    ***************************************
      CELL FREQ  *    2    *    2    *    4    *
10     %  ROW    *  50.0   *  50.0   *
       %  COL    *   2.4   *   1.3   *
       %  TABLE  *   0.9   *   0.9   *   1.7   *
    ***************************************
      CELL FREQ  *    1    *   18    *   19    *
11     %  ROW    *   5.3   *  94.7   *
       %  COL    *   1.2   *  11.8   *
       %  TABLE  *   0.4   *   7.7   *   8.1   *
    ***************************************
      CELL FREQ  *    9    *    9    *   18    *
12     %  ROW    *  50.0   *  50.0   *
       %  COL    *  11.0   *   5.9   *
       %  TABLE  *   3.8   *   3.8   *   7.7   *
    ***************************************
      CELL FREQ  *   10    *   14    *   24    *
13     %  ROW    *  41.7   *  58.3   *
       %  COL    *  12.2   *   9.2   *
       %  TABLE  *   4.3   *   6.0   *  10.3   *
    ***************************************
        TL COL FRQ     82       152       234
         %  TABLE    35.04     64.96

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   7     PERCENT OF TOTAL:    2.90

     PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     21.0879  ;  DF = 12  ;  P = 0.0491

                                          SYMMETRIC LAMBDA :    0.02414

             CRITERION                    PREDICTOR             LAMBDA

             ROW                          COLUMN                0.02404

             COLUMN                       ROW                   0.02439
```

TABLE 7A

```
RØWS REPRESENT:    PRESENT PØSITIØN: 1 = ADMINISTRATIØN; 2 = BEHAVIØRAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTIØN; 4 = ENGINEERING TECHNØLØGY.


CØLUMNS REPRESENT: 3. DID ANY ØF YØUR CHILDREN CØME WITH YØU TØ THE SUMMER INSTITUTE.
                    1 = YES; 2 = NØ.



                                            TØTALS
                      1          2
    ***************************************************
      CELL FREQ  *    14    *    44    *    58    *
 1     %  RØW    *  24.1    *  75.9    *
       %  CØL    *  34.1    *  41.5    *
       %  TABLE  *   9.5    *  29.9    *  39.5    *
    ***************************************************
      CELL FREQ  *     9    *    24    *    33    *
 2     %  RØW    *  27.3    *  72.7    *
       %  CØL    *  22.0    *  22.6    *
       %  TABLE  *   6.1    *  16.3    *  22.4    *
    ***************************************************
      CELL FREQ  *    14    *    29    *    43    *
 3     %  RØW    *  32.6    *  67.4    *
       %  CØL    *  34.1    *  27.4    *
       %  TABLE  *   9.5    *  19.7    *  29.3    *
    ***************************************************
      CELL FREQ  *     4    *     9    *    13    *
 4     %  RØW    *  30.8    *  69.2    *
       %  CØL    *   9.8    *   8.5    *
       %  TABLE  *   2.7    *   6.1    *   8.8    *
    ***************************************************
       TL CØL FRQ     41        106        147
        %  TABLE    27.89      72.11
TØTAL SAMPLE SIZE:  241  NUMBER NØT RESPØNDING:  94     PERCENT ØF TØTAL:   39.00


 PEARSØN CHI SQUARE TEST ØF ASSØCIATIVITY:      0.9317  ;  DF =  3  ;  P = 0.8178


                                   SYMMETRIC LAMBDA :   0.00000

            CRITERIØN                  PREDICTØR           LAMBDA

            RØW                        CØLUMN              0.00000

            CØLUMN                     RØW                 0.00000
```

TABLE 7B

```
RØWS REPRESENT:     CLUSTER: 1=BRØWARD; 2=CHICAGØ; 3=HAMPTØN; 4=HILLSBØRØUGH; 5=JACKSØNVILLE;
                     6=LØNG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ØRLANDØ; 10=PENSACØLA;
                     11=SACRAMENTØ; 12= ST. PETERSBURG; 13=SAN FRANCISCØ.

CØLUMNS REPRESENT: 3. DID ANY ØF YØUR CHILDREN CØME WITH YØU TØ THE SUMMER INSTITUTE.
                     1 = YES; 2 = NØ.




                                            TØTALS
                         1          2
     *******************************************
     CELL FREQ   *      0   *      2   *      2   *
1     %  RØW     *    0.0   *  100.0   *
      %  CØL     *    0.0   *    1.7   *
      %  TABLE   *    0.0   *    1.3   *    1.3   *
     *******************************************
     CELL FREQ   *      4   *     12   *     16   *
2     %  RØW     *   25.0   *   75.0   *
      %  CØL     *    9.8   *   10.4   *
      %  TABLE   *    2.6   *    7.7   *   10.3   *
     *******************************************
     CELL FREQ   *      1   *      6   *      7   *
3     %  RØW     *   14.3   *   85.7   *
      %  CØL     *    2.4   *    5.2   *
      %  TABLE   *    0.6   *    3.8   *    4.5   *
     *******************************************
     CELL FREQ   *      7   *      9   *     16   *
4     %  RØW     *   43.8   *   56.3   *
      %  CØL     *   17.1   *    7.8   *
      %  TABLE   *    4.5   *    5.8   *   10.3   *
     *******************************************
     CELL FREQ   *      6   *     10   *     16   *
5     %  RØW     *   37.5   *   62.5   *
      %  CØL     *   14.6   *    8.7   *
      %  TABLE   *    3.8   *    6.4   *   10.3   *
     *******************************************
     CELL FREQ   *      3   *      6   *      9   *
6     %  RØW     *   33.3   *   66.7   *
      %  CØL     *    7.3   *    5.2   *
      %  TABLE   *    1.9   *    3.8   *    5.8   *
     *******************************************
     CELL FREQ   *      1   *     18   *     19   *
7     %  RØW     *    5.3   *   94.7   *
      %  CØL     *    2.4   *   15.7   *
      %  TABLE   *    0.6   *   11.5   *   12.2   *
     *******************************************
```

TABLE 7B cont.

```
        CELL FREQ  *      7   *      1   *      8   *
  8      %  ROW    *   87.5   *   12.5   *
         %  COL    *   17.1   *    0.9   *
         %  TABLE  *    4.5   *    0.6   *    5.1   *
      ********************************************
        CELL FREQ  *      3   *     16   *     19   *
  9      %  ROW    *   15.8   *   84.2   *
         %  COL    *    7.3   *   13.9   *
         %  TABLE  *    1.9   *   10.3   *   12.2   *
      ********************************************
        CELL FREQ  *      2   *      1   *      3   *
 10      %  ROW    *   66.7   *   33.3   *
         %  COL    *    4.9   *    0.9   *
         %  TABLE  *    1.3   *    0.6   *    1.9   *
      ********************************************
        CELL FREQ  *      0   *     15   *     15   *
 11      %  ROW    *    0.0   *  100.0   *
         %  COL    *    0.0   *   13.0   *
         %  TABLE  *    0.0   *    9.6   *    9.6   *
      ********************************************
        CELL FREQ  *      4   *      6   *     10   *
 12      %  ROW    *   40.0   *   60.0   *
         %  COL    *    9.8   *    5.2   *
         %  TABLE  *    2.6   *    3.8   *    6.4   *
      ********************************************
        CELL FREQ  *      3   *     13   *     16   *
 13      %  ROW    *   18.8   *   81.3   *
         %  COL    *    7.3   *   11.3   *
         %  TABLE  *    1.9   *    8.3   *   10.3   *
      ********************************************
         TL COL FRQ       41        115        156
          %  TABLE     26.28      73.72

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  85     PERCENT OF TOTAL:   35.27


      PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:    35.2361  ;  DF = 12  ;  P = 0.0004


                                        SYMMETRIC LAMBDA :    0.07303

             CRITERION                  PREDICTOR             LAMBDA

             ROW                        COLUMN                0.04380

             COLUMN                     ROW                   0.17073
```

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 4. WHO IS PAYING FOR YOUR PARTICIPATION IN THE SUMMER INSTITUTE.
                     1 = I AM PAYING THE TOTAL COST MYSELF.
                     2 = I AM PAYING A PORTION OF THE COST AND MY SCHOOL IS PAYING A PORTION.
                     3 = MY SCHOOL IS PAYING THE TOTAL COST.


                                          TOTALS
                        1          2
     *****************************************
      CELL FREQ  *     82    *     1    *    83    *
1      %  ROW    *   98.8    *   1.2    *
       %  COL    *   38.0    *  20.0    *
       %  TABLE  *   37.1    *   0.5    *  37.6    *
     *****************************************
      CELL FREQ  *     49    *     0    *    49    *
2      %  ROW    *  100.0    *   0.0    *
       %  COL    *   22.7    *   0.0    *
       %  TABLE  *   22.2    *   0.0    *  22.2    *
     *****************************************
      CELL FREQ  *     71    *     3    *    74    *
3      %  ROW    *   95.9    *   4.1    *
       %  COL    *   32.9    *  60.0    *
       %  TABLE  *   32.1    *   1.4    *  33.5    *
     *****************************************
      CELL FREQ  *     14    *     1    *    15    *
4      %  ROW    *   93.3    *   6.7    *
       %  COL    *    6.5    *  20.0    *     .
       %  TABLE  *    6.3    *   0.5    *   6.8    *
     *****************************************
       TL COL FRQ     216          5         221
        %  TABLE    97.74       2.26

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  20     PERCENT OF TOTAL:    8.30

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      3.9441  ;  DF =  3  ;  P = 0.2676
                                              SYMMETRIC LAMBDA :    0.01399
             CRITERION                        PREDICTOR             LAMBDA
             ROW                              COLUMN                0.01449
             COLUMN                           ROW                   0.00000
```

TABLE 8A

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 4. WHO IS PAYING FOR YOUR PARTICIPATION IN THE SUMMER INSTITUTE.
                    1 = I AM PAYING THE TOTAL COST MYSELF.
                    2 = I AM PAYING A PORTION OF THE COST AND MY SCHOOL IS PAYING A PORTION.
                    3 = MY SCHOOL IS PAYING THE TOTAL COST.


                                               TOTALS
                        1          2
     ***************************************************
      CELL FREQ  *       2   *       0   *       2   *
1      %  ROW    *  100.0    *     0.0   *
       %  COL    *     0.9   *     0.0   *
       %  TABLE  *     0.9   *     0.0   *     0.9   *
     ***************************************************
      CELL FREQ  *      26   *       0   *      26   *
2      %  ROW    *  100.0    *     0.0   *
       %  COL    *    11.4   *     0.0   *
       %  TABLE  *    11.2   *     0.0   *    11.2   *
     ***************************************************
      CELL FREQ  *      15   *       0   *      15   *
3      %  ROW    *  100.0    *     0.0   *
       %  COL    *     6.6   *     0.0   *
       %  TABLE  *     6.4   *     0.0   *     6.4   *
     ***************************************************
      CELL FREQ  *      22   *       0   *      22   *
4      %  ROW    *  100.0    *     0.0   *
       %  COL    *     9.6   *     0.0   *
       %  TABLE  *     9.4   *     0.0   *     9.4   *
     ***************************************************
      CELL FREQ  *      26   *       0   *      26   *
5      %  ROW    *  100.0    *     0.0   *
       %  COL    *    11.4   *     0.0   *
       %  TABLE  *    11.2   *     0.0   *    11.2   *
     ***************************************************
      CELL FREQ  *      12   *       0   *      12   *
6      %  ROW    *  100.0    *     0.0   *
       %  COL    *     5.3   *     0.0   *
       %  TABLE  *     5.2   *     0.0   *     5.2   *
     ***************************************************
      CELL FREQ  *      23   *       2   *      25   *
7      %  ROW    *    92.0   *     8.0   *
       %  COL    *    10.1   *    40.0   *
       %  TABLE  *     9.9   *     0.9   *    10.7   *
     ***************************************************
```

TABLE 8B

```
      CELL FREQ  *    18    *     0    *    18    *
  8     %  ROW   *  100.0   *    0.0   *
        %  COL   *    7.9   *    0.0   *
        %  TABLE *    7.7   *    0.0   *    7.7   *
   ***********************************************
      CELL FREQ  *    20    *     3    *    23    *
  9     %  ROW   *   87.0   *   13.0   *
        %  COL   *    8.8   *   60.0   *
        %  TABLE *    8.6   *    1.3   *    9.9   *
   ***********************************************
      CELL FREQ  *     4    *     0    *     4    *
 10     %  ROW   *  100.0   *    0.0   *
        %  COL   *    1.8   *    0.0   *
        %  TABLE *    1.7   *    0.0   *    1.7   *
   ***********************************************
      CELL FREQ  *    18    *     0    *    18    *
 11     %  ROW   *  100.0   *    0.0   *
        %  COL   *    7.9   *    0.0   *
        %  TABLE *    7.7   *    0.0   *    7.7   *
   ***********************************************
      CELL FREQ  *    18    *     0    *    18    *
 12     %  ROW   *  100.0   *    0.0   *
        %  COL   *    7.9   *    0.0   *
        %  TABLE *    7.7   *    0.0   *    7.7   *
   ***********************************************
      CELL FREQ  *    24    *     0    *    24    *
 13     %  ROW   *  100.0   *    0.0   *
        %  COL   *   10.5   *    0.0   *
        %  TABLE *   10.3   *    0.0   *   10.3   *
   ***********************************************
      TL COL FRQ     228          5        233
        %  TABLE     97.85       2.15        .

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   8     PERCENT OF TOTAL:    3.32

    PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     21.1445  ;  DF = 12  ;  P = 0.0483

                                          SYMMETRIC LAMBDA :    0.01415

              CRITERION                   PREDICTOR             LAMBDA

              ROW                         COLUMN                0.01449

              COLUMN                      ROW                   0.00000
```

TABLE 8B cont.

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 5. HOW MUCH DO YOU ESTIMATE THAT THE SUMMER INSTITUTE HAS COST YOU.
                    1 = LESS THAN $50; 2 = $50-$100; 3 = $101-$200; 4 = $201-$300; 5 = $301-$400;
                    6 = $400-$500; 7 = MORE THAN $500.


                                                                                     TOTALS
                    1          2           3          4          5          6          7
  ***********************************************************************************************
   CELL FREQ  *      3    *     12    *     20    *     13    *     15    *     10    *     10    *     83    *
1   %  ROW    *    3.6    *   14.5    *   24.1    *   15.7    *   18.1    *   12.0    *   12.0    *
    %  COL    *   23.1    *   44.4    *   42.6    *   34.2    *   46.9    *   33.3    *   35.7    *
    %  TABLE  *    1.4    *    5.6    *    9.3    *    6.0    *    7.0    *    4.7    *    4.7    *   38.6    *
  ***********************************************************************************************
   CELL FREQ  *      3    *      7    *      6    *      8    *      7    *      7    *     10    *     48    *
2   %  ROW    *    6.3    *   14.6    *   12.5    *   16.7    *   14.6    *   14.6    *   20.8    *
    %  COL    *   23.1    *   25.9    *   12.8    *   21.1    *   21.9    *   23.3    *   35.7    *
    %  TABLE  *    1.4    *    3.3    *    2.8    *    3.7    *    3.3    *    3.3    *    4.7    *   22.3    *
  ***********************************************************************************************
   CELL FREQ  *      4    *      6    *     19    *     15    *      7    *     12    *      6    *     69    *
3   %  ROW    *    5.8    *    8.7    *   27.5    *   21.7    *   10.1    *   17.4    *    8.7    *
    %  COL    *   30.8    *   22.2    *   40.4    *   39.5    *   21.9    *   40.0    *   21.4    *
    %  TABLE  *    1.9    *    2.8    *    8.8    *    7.0    *    3.3    *    5.6    *    2.8    *   32.1    *
  ***********************************************************************************************
   CELL FREQ  *      3    *      2    *      2    *      2    *      3    *      1    *      2    *     15    *
4   %  ROW    *   20.0    *   13.3    *   13.3    *   13.3    *   20.0    *    6.7    *   13.3    *
    %  COL    *   23.1    *    7.4    *    4.3    *    5.3    *    9.4    *    3.3    *    7.1    *
    %  TABLE  *    1.4    *    0.9    *    0.9    *    0.9    *    1.4    *    0.5    *    0.9    *    7.0    *
  ***********************************************************************************************
    TL COL FRQ      13          27          47          38          32          30          28          215
     %  TABLE     6.05       12.56       21.86       17.67       14.88       13.95       13.02

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  26     PERCENT OF TOTAL:   10.79

  PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     18.0882  ;  DF = 18  ;  P = 0.4499
                                                   SYMMETRIC LAMBDA :    0.03333

                      CRITERION                       PREDICTOR              LAMBDA

                      ROW                             COLUMN                 0.03788

                      COLUMN                          ROW                    0.02976
```

TABLE 9A

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 5. HOW MUCH DO YOU ESTIMATE THAT THE SUMMER INSTITUTE HAS COST YOU.
                     1 = LESS THAN $50; 2 = $50-$100; 3 = $101-$200; 4 = $201-$300; 5 = $301-$400;
                     6 = $400-$500; 7 = MORE THAN $500.


                                                                                        TOTALS
                      1           2           3           4           5           6           7
         ****************************************************************************************
          CELL FREQ  *      2  *      0  *      0  *      0  *      0  *      0  *      0  *      2  *
  1        %  ROW    *  100.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *
           %  COL    *   12.5  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *
           %  TABLE  *    0.9  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.9  *
         ****************************************************************************************
          CELL FREQ  *      0  *      0  *      0  *      7  *      6  *      6  *      5  *     24  *
  2        %  ROW    *    0.0  *    0.0  *    0.0  *   29.2  *   25.0  *   25.0  *   20.8  *
           %  COL    *    0.0  *    0.0  *    0.0  *   18.4  *   18.8  *   17.6  *   17.2  *
           %  TABLE  *    0.0  *    0.0  *    0.0  *    3.1  *    2.7  *    2.7  *    2.2  *   10.7  *
         ****************************************************************************************
          CELL FREQ  *      0  *      0  *      3  *      5  *      4  *      1  *      1  *     14  *
  3        %  ROW    *    0.0  *    0.0  *   21.4  *   35.7  *   28.6  *    7.1  *    7.1  *
           %  COL    *    0.0  *    0.0  *    6.1  *   13.2  *   12.5  *    2.9  *    3.4  *
           %  TABLE  *    0.0  *    0.0  *    1.3  *    2.2  *    1.8  *    0.4  *    0.4  *    6.2  *
         ****************************************************************************************
          CELL FREQ  *      0  *      6  *      7  *      6  *      1  *      2  *      0  *     22  *
  4        %  ROW    *    0.0  *   27.3  *   31.8  *   27.3  *    4.5  *    9.1  *    0.0  *
           %  COL    *    0.0  *   22.2  *   14.3  *   15.8  *    3.1  *    5.9  *    0.0  *
           %  TABLE  *    0.0  *    2.7  *    3.1  *    2.7  *    0.4  *    0.9  *    0.0  *    9.8  *
         ****************************************************************************************
          CELL FREQ  *      0  *      2  *     12  *      7  *      4  *      0  *      0  *     25  *
  5        %  ROW    *    0.0  *    8.0  *   48.[illegible] *   28.0  *   16.0  *    0.0  *    0.0  *
           %  COL    *    0.0  *    7.4  *   24.[illegible] *   18.4  *   12.5  *    0.0  *    0.0  *
           %  TABLE  *    0.0  *    0.9  * [illegible] *    3.1  *    1.8  *    0.0  *    0.0  *   11.1  *
         ****************************************************************************************
          CELL FREQ  *      0  *      0  *      2  *      1  *      5  *      2  *      3  *     13  *
  6        %  ROW    *    0.0  *    0.0  *   15.4  *    7.7  *   38.5  *   15.4  *   23.1  *
           %  COL    *    0.0  *    0.0  *    4.1  *    2.6  *   15.6  *    5.9  *   10.3  *
           %  TABLE  *    0.0  *    0.0  *    0.9  *    0.4  *    2.2  *    0.9  *    1.3  *    5.8  *
         ****************************************************************************************
          CELL FREQ  *     13  *      7  *      2  *      1  *      0  *      0  *      1  *     24  *
  7        %  ROW    *   54.2  *   29.2  *    8.3  *    4.2  *    0.0  *    0.0  *    4.2  *
           %  COL    *   81.3  *   25.9  *    4.1  *    2.6  *    0.0  *    0.0  *    3.4  *
           %  TABLE  *    5.8  *    3.1  *    0.9  *    0.4  *    0.0  *    0.0  *    0.4  *   10.7  *
         ****************************************************************************************
```

TABLE 9B

TABLE 9B cont.

```
     CELL FREQ  *    0   *    0   *    2   *    3   *    6   *    1   *    5   *   17   *
 8    %  ROW    *  0.0   *  0.0   * 11.8   * 17.6   * 35.3   *  5.9   * 29.4   *
      %  COL    *  0.0   *  0.0   *  4.1   *  7.9   * 18.8   *  2.9   * 17.2   *
      %  TABLE  *  0.0   *  0.0   *  0.9   *  1.3   *  2.7   *  0.4   *  2.2   *  7.6   *
    ***************************************************************************************
     CELL FREQ  *    0   *    9   *   12   *    2   *    0   *    0   *    0   *   23   *
 9    %  ROW    *  0.0   * 39.1   * 52.2   *  8.7   *  0.0   *  0.0   *  0.0   *
      %  COL    *  0.0   * 33.3   * 24.5   *  5.3   *  0.0   *  0.0   *  0.0   *
      %  TABLE  *  0.0   *  4.0   *  5.3   *  0.9   *  0.0   *  0.0   *  0.0   * 10.2   *
    ***************************************************************************************
     CELL FREQ  *    0   *    0   *    3   *    1   *    0   *    0   *    0   *    4   *
10    %  ROW    *  0.0   *  0.0   * 75.0   * 25.0   *  0.0   *  0.0   *  0.0   *
      %  COL    *  0.0   *  0.0   *  6.1   *  2.6   *  0.0   *  0.0   *  0.0   *
      %  TABLE  *  0.0   *  0.0   *  1.3   *  0.4   *  0.0   *  0.0   *  0.0   *  1.8   *
    ***************************************************************************************
     CELL FREQ  *    0   *    1   *    0   *    0   *    3   *    7   *    7   *   18   *
11    %  ROW    *  0.0   *  5.6   *  0.0   *  0.0   * 16.7   * 38.9   * 38.9   *
      %  COL    *  0.0   *  3.7   *  0.0   *  0.0   *  9.4   * 20.6   * 24.1   *
      %  TABLE  *  0.0   *  0.4   *  0.0   *  0.0   *  1.3   *  3.1   *  3.1   *  8.0   *
    ***************************************************************************************
     CELL FREQ  *    1   *    2   *    6   *    5   *    2   *    0   *    0   *   16   *
12    %  ROW    *  6.3   * 12.5   * 37.5   * 31.3   * 12.5   *  0.0   *  0.0   *
      %  COL    *  6.3   *  7.4   * 12.2   * 13.2   *  6.3   *  0.0   *  0.0   *
      %  TABLE  *  0.4   *  0.9   *  2.7   *  2.2   *  0.9   *  0.0   *  0.0   *  7.1   *
    ***************************************************************************************
     CELL FREQ  *    0   *    0   *    0   *    0   *    1   *   15   *    7   *   23   *
13    %  ROW    *  0.0   *  0.0   *  0.0   *  0.0   *  4.3   * 65.2   * 30.4   *
      %  COL    *  0.0   *  0.0   *  0.0   *  0.0   *  3.1   * 44.1   * 24.1   *
      %  TABLE  *  0.0   *  0.0   *  0.0   *  0.0   *  0.4   *  6.7   *  3.1   * 10.2   *
    ***************************************************************************************
      TL COL FRQ    16       27       49       38       32       34       29      225
       %  TABLE    7.11    12.00    21.78    16.89    14.22    15.11    12.89

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  16      PERCENT OF TOTAL:     6.64

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:    336.3201  ;  DF = 72  ;  P = 0.0000

                                          SYMMETRIC LAMBDA :     0.25266

              CRITERION                   PREDICTOR              LAMBDA

              ROW                         COLUMN                 0.22000

              COLUMN                      ROW                    0.28977
```

TABLE 10A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 6. DID YOU BORROW MONEY FROM A FEDERALLY INSURED LOAN TO HELP PAY FOR
                     YOUR COSTS FOR THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                TOTALS
                        1          2
       *************************************************
        CELL FREQ  *      2   *     84   *      86   *
  1      %  ROW    *    2.3   *   97.7   *
         %  COL    *   15.4   *   39.8   *
         %  TABLE  *    0.9   *   37.5   *    38.4   *
       *************************************************
        CELL FREQ  *      6   *     44   *      50   *
  2      %  ROW    *   12.0   *   88.0   *
         %  COL    *   46.2   *   20.9   *
         %  TABLE  *    2.7   *   19.6   *    22.3   *
       *************************************************
        CELL FREQ  *      1   *     73   *      74   *
  3      %  ROW    *    1.4   *   98.6   *
         %  COL    *    7.7   *   34.6   *
         %  TABLE  *    0.4   *   32.6   *    33.0   *
       *************************************************
        CELL FREQ  *      4   *     10   *      14   *
  4      %  ROW    *   28.6   *   71.4   *
         %  COL    *   30.8   *    4.7   *
         %  TABLE  *    1.8   *    4.5   *     6.3   *
       *************************************************
          TL COL FRQ     13        211          224
           %  TABLE    5.80      94.20
 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  17      PERCENT OF TOTAL:     7.05

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      21.3731  ;  DF =  3  ;  P = 0.0001
                                             SYMMETRIC LAMBDA :    0.02649

          CRITERION                          PREDICTOR             LAMBDA

          ROW                                COLUMN                0.02899

          COLUMN                             ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.


COLUMNS REPRESENT: 6. DID YOU BORROW MONEY FROM A FEDERALLY INSURED LOAN TO HELP PAY FOR
                     YOUR COSTS FOR THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                  TOTALS
                           1          2
       ******************************************
        CELL FREQ  *       0   *      2   *      2   *
  1      %  ROW    *     0.0   *  100.0   *
         %  COL    *     0.0   *    0.9   *
         %  TABLE  *     0.0   *    0.9   *    0.9   *
       ******************************************
        CELL FREQ  *       1   *     25   *     26   *
  2      %  ROW    *     3.8   *   96.2   *
         %  COL    *     7.7   *   11.3   *
         %  TABLE  *     0.4   *   10.7   *   11.1   *
       ******************************************
        CELL FREQ  *       0   *     14   *     14   *
  3      %  ROW    *     0.0   *  100.0   *
         %  COL    *     0.0   *    6.3   *
         %  TABLE  *     0.0   *    6.0   *    6.0   *
       ******************************************
        CELL FREQ  *       2   *     20   *     22   *
  4      %  ROW    *     9.1   *   90.9   *
         %  COL    *    15.4   *    9.0   *
         %  TABLE  *     0.9   *    8.5   *    9.4   *
       ******************************************
        CELL FREQ  *       1   *     25   *     26   *
  5      %  ROW    *     3.8   *   96.2   *
         %  COL    *     7.7   *   11.3   *
         %  TABLE  *     0.4   *   10.7   *   11.1   *
       ******************************************
        CELL FREQ  *       1   *     13   *     14   *
  6      %  ROW    *     7.1   *   92.9   *
         %  COL    *     7.7   *    5.9   *
         %  TABLE  *     0.4   *    5.6   *    6.0   *
       ******************************************
        CELL FREQ  *       1   *     24   *     25   *
  7      %  ROW    *     4.0   *   96.0   *
         %  COL    *     7.7   *   10.9   *
         %  TABLE  *     0.4   *   10.3   *   10.7   *
       ******************************************
```

TABLE 10B

```
       CELL FREQ  *      1   *     17   *    18   *
  8     % RØW     *    5.6   *   94.4   *
        % CØL     *    7.7   *    7.7   *
        % TABLE   *    0.4   *    7.3   *    7.7  *
      *********************************************
       CELL FREQ  *      1   *     22   *    23   *
  9     % RØW     *    4.3   *   95.7   *
        % CØL     *    7.7   *   10.0   *
        % TABLE   *    0.4   *    9.4   *    9.8  *
      *********************************************
       CELL FREQ  *      0   *      4   *     4   *
 10     % RØW     *    0.0   *  100.0   *
        % CØL     *    0.0   *    1.8   *
        % TABLE   *    0.0   *    1.7   *    1.7  *
      *********************************************
       CELL FREQ  *      4   *     14   *    18   *
 11     % RØW     *   22.2   *   77.8   *
        % CØL     *   30.8   *    6.3   *
        % TABLE   *    1.7   *    6.0   *    7.7  *
      *********************************************
       CELL FREQ  *      0   *     18   *    18   *
 12     % RØW     *    0.0   *  100.0   *
        % CØL     *    0.0   *    8.1   *
        % TABLE   *    0.0   *    7.7   *    7.7  *
      *********************************************
       CELL FREQ  *      1   *     23   *    24   *
 13     % RØW     *    4.2   *   95.8   *
        % CØL     *    7.7   *   10.4   *
        % TABLE   *    0.4   *    9.8   *   10.3  *
      *********************************************
        TL CØL FRQ      13        221        234
          % TABLE      5.56      94.44

 TOTAL SAMPLE SIZE:  241   NUMBER NØT RESPØNDING:   7     PERCENT ØF TØTAL:    2.90

PEARSØN CHI SQUARE TEST ØF ASSØCIATIVITY:     12.9130  ;  DF = 12  ;  P = 0.3754

                                     SYMMETRIC LAMBDA :      0.01357

          CRITERIØN                  PREDICTØR               LAMBDA

          RØW                        CØLUMN                  0.01442

          CØLUMN                     RØW                     0.00000
```

TABLE 10B cont.

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 7. IN YOUR OPINION, WAS ONE WEEK LONG ENOUGH FOR THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                            TOTALS
                    1          2
   *****************************************
    CELL FREQ  *     80    *      6   *    86    *
1     %  ROW   *   93.0    *    7.0   *
      %  COL   *   37.2    *   66.7   *
      %  TABLE *   35.7    *    2.7   *  38.4    *
   *****************************************
    CELL FREQ  *     49    *      0   *    49    *
2     %  ROW   *  100.0    *    0.0   *
      %  COL   *   22.8    *    0.0   *
      %  TABLE *   21.9    *    0.0   *  21.9    *
   *****************************************
    CELL FREQ  *     71    *      3   *    74    *
3     %  ROW   *   95.9    *    4.1   *
      %  COL   *   33.0    *   33.3   *
      %  TABLE *   31.7    *    1.3   *  33.0    *
   *****************************************
    CELL FREQ  *     15    *      0   *    15    *
4     %  ROW   *  100.0    *    0.0   *
      %  COL   *    7.0    *    0.0   *
      %  TABLE *    6.7    *    0.0   *   6.7    *
   *****************************************
     TL COL FRQ     215           9        224
      %  TABLE     95.98        4.02

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  17     PERCENT OF TOTAL:     7.05

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      4.6317  ;  DF =  3  ;  P = 0.2008

                                              SYMMETRIC LAMBDA :    0.00000

        CRITERION                            PREDICTOR              LAMBDA

        ROW                                  COLUMN                 0.00000

        COLUMN                               ROW                    0.00000
```

TABLE 11A

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 7. IN YOUR OPINION, WAS ONE WEEK LONG ENOUGH FOR THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                              TOTALS
                        1           2
     ****************************************************
      CELL FREQ  *      2   *       0   *       2   *
 1     %  ROW    *  100.0   *     0.0   *
       %  COL    *    0.9   *     0.0   *
       %  TABLE  *    0.8   *     0.0   *     0.8   *
     ****************************************************
      CELL FREQ  *     25   *       1   *      26   *
 2     %  ROW    *   96.2   *     3.8   *
       %  COL    *   11.0   *    11.1   *
       %  TABLE  *   10.6   *     0.4   *    11.0   *
     ****************************************************
      CELL FREQ  *     15   *       0   *      15   *
 3     %  ROW    *  100.0   *     0.0   *
       %  COL    *    6.6   *     0.0   *
       %  TABLE  *    6.4   *     0.0   *     6.4   *
     ****************************************************
      CELL FREQ  *     19   *       2   *      21   *
 4     %  ROW    *   90.5   *     9.5   *
       %  COL    *    8.4   *    22.2   *
       %  TABLE  *    8.1   *     0.8   *     8.9   *
     ****************************************************
      CELL FREQ  *     24   *       2   *      26   *
 5     %  ROW    *   92.3   *     7.7   *
       %  COL    *   10.6   *    22.2   *
       %  TABLE  *   10.2   *     0.8   *    11.0   *
     ****************************************************
      CELL FREQ  *     14   *       0   *      14   *
 6     %  ROW    *  100.0   *     0.0   *
       %  COL    *    6.2   *     0.0   *
       %  TABLE  *    5.9   *     0.0   *     5.9   *
     ****************************************************
      CELL FREQ  *     26   *       0   *      26   *
 7     %  ROW    *  100.0   *     0.0   *
       %  COL    *   11.5   *     0.0   *
       %  TABLE  *   11.0   *     0.0   *    11.0   *
     ****************************************************
```

TABLE 11B

TABLE 11B cont.

```
      CELL FREQ  *    18    *    0    *    18   *
 8     % ROW     *  100.0   *   0.0   *
       % COL     *    7.9   *   0.0   *
       % TABLE   *    7.6   *   0.0   *    7.6  *
   ************************************************
      CELL FREQ  *    22    *    1    *    23   *
 9     % ROW     *   95.7   *   4.3   *
       % COL     *    9.7   *  11.1   *
       % TABLE   *    9.3   *   0.4   *    9.7  *
   ************************************************
      CELL FREQ  *     4    *    0    *     4   *
10     % ROW     *  100.0   *   0.0   *
       % COL     *    1.8   *   0.0   *
       % TABLE   *    1.7   *   0.0   *    1.7  *
   ************************************************
      CELL FREQ  *    19    *    0    *    19   *
11     % ROW     *  100.0   *   0.0   *
       % COL     *    8.4   *   0.0   *
       % TABLE   *    8.1   *   0.0   *    8.1  *
   ************************************************
      CELL FREQ  *    17    *    1    *    18   *
12     % ROW     *   94.4   *   5.6   *
       % COL     *    7.5   *  11.1   *
       % TABLE   *    7.2   *   0.4   *    7.6  *
   ************************************************
      CELL FREQ  *    22    *    2    *    24   *
13     % ROW     *   91.7   *   8.3   *
       % COL     *    9.7   *  22.2   *
       % TABLE   *    9.3   *   0.8   *   10.2  *
   ************************************************
        TL COL FRQ    227         9         236
         % TABLE     96.19       3.81

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   5     PERCENT OF TOTAL:    2.07

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      8.3221  ;  DF = 12  ;  P = 0.7595
-----------------------------------------

                                      SYMMETRIC LAMBDA :    0.00913
                                      ----------------
           CRITERION                  PREDICTOR             LAMBDA

           ROW                        COLUMN                0.00952

           COLUMN                     ROW                   0.00000
```

TABLE 12A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT; 8. HOW LONG DID YOU (OR WILL YOU) STAY IN SOUTH FLORIDA.
                    1 = JUST FOR THE SUMMER INSTITUTE.
                    2 = ADDITIONAL DAYS.



                                             TOTALS
                       1          2
     ****************************************
      CELL FREQ  *    41    *    18    *    59    *
1      %  ROW    *  69.5    *  30.5    *
       %  COL    *  37.3    *  39.1    *
       %  TABLE  *  26.3    *  11.5    *  37.8    *
     ****************************************
      CELL FREQ  *    24    *    13    *    37    *
2      %  ROW    *  64.9    *  35.1    *
       %  COL    *  21.8    *  28.3    *
       %  TABLE  *  15.4    *   8.3    *  23.7    *
     ****************************************
      CELL FREQ  *    38    *    13    *    51    *
3      %  ROW    *  74.5    *  25.5    *
       %  COL    *  34.5    *  28.3    *
       %  TABLE  *  24.4    *   8.3    *  32.7    *
     ****************************************
      CELL FREQ  *     7    *     2    *     9    *
4      %  ROW    *  77.8    *  22.2    *
       %  COL    *   6.4    *   4.3    *
       %  TABLE  *   4.5    *   1.3    *   5.8    *
     ****************************************
       TL COL FRQ    110         46          156
        %  TABLE    70.51       29.49

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  85     PERCENT OF TOTAL:   35.27

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       1.2176  ;  DF =  3  ;  P = 0.7488


                                       SYMMETRIC LAMBDA :    0.00000

      CRITERION                        PREDICTOR             LAMBDA

      ROW                              COLUMN                0.00000

      COLUMN                           ROW                   0.00000
```

TABLE 12B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 8. HOW LONG DID YOU (OR WILL YOU) STAY IN SOUTH FLORIDA.
                    1 = JUST FOR THE SUMMER INSTITUTE.
                    2 = ADDITIONAL DAYS.



                                               TOTALS
                        1          2
        *****************************************
         CELL FREQ  *      0   *      0   *      0   *
   1      %  ROW    *    0.0   *    0.0   *
          %  COL    *    0.0   *    0.0   *
          %  TABLE  *    0.0   *    0.0   *    0.0   *
        *****************************************
         CELL FREQ  *     13   *     10   *     23   *
   2      %  ROW    *   56.5   *   43.5   *
          %  COL    *   11.2   *   22.2   *
          %  TABLE  *    8.1   *    6.2   *   14.3   *
        *****************************************
         CELL FREQ  *     11   *      3   *     14   *
   3      %  ROW    *   78.6   *   21.4   *
          %  COL    *    9.5   *    6.7   *
          %  TABLE  *    6.8   *    1.9   *    8.7   *
        *****************************************
         CELL FREQ  *      7   *      2   *      9   *
   4      %  ROW    *   77.8   *   22.2   *
          %  COL    *    6.0   *    4.4   *
          %  TABLE  *    4.3   *    1.2   *    5.6   *
        *****************************************
         CELL FREQ  *     17   *      6   *     23   *
   5      %  ROW    *   73.9   *   26.1   *
          %  COL    *   14.7   *   13.3   *
          %  TABLE  *   10.6   *    3.7   *   14.3   *
        *****************************************
         CELL FREQ  *      6   *      5   *     11   *
   6      %  ROW    *   54.5   *   45.5   *
          %  COL    *    5.2   *   11.1   *
          %  TABLE  *    3.7   *    3.1   *    6.8   *
        *****************************************
         CELL FREQ  *      0   *      0   *      0   *
   7      %  ROW    *    0.0   *    0.0   *
          %  COL    *    0.0   *    0.0   *
          %  TABLE  *    0.0   *    0.0   *    0.0   *
        *****************************************
```

```
       CELL FREQ  *      8   *      6   *     14   *
  8     %  ROW    *   57.1   *   42.9   *
        %  COL    *    6.9   *   13.3   *
        %  TABLE  *    5.0   *    3.7   *    8.7   *
     ***********************************************
       CELL FREQ  *     15   *      1   *     16   *
  9     %  ROW    *   93.8   *    6.3   *
        %  COL    *   12.9   *    2.2   *
        %  TABLE  *    9.3   *    0.6   *    9.9   *
     ***********************************************
       CELL FREQ  *      3   *      1   *      4   *
 10     %  ROW    *   75.0   *   25.0   *
        %  COL    *    2.6   *    2.2   *
        %  TABLE  *    1.9   *    0.6   *    2.5   *
     ***********************************************
       CELL FREQ  *     13   *      4   *     17   *
 11     %  ROW    *   76.5   *   23.5   *
        %  COL    *   11.2   *    8.9   *
        %  TABLE  *    8.1   *    2.5   *   10.6   *
     ***********************************************
       CELL FREQ  *      8   *      1   *      9   *
 12     %  ROW    *   88.9   *   11.1   *
        %  COL    *    6.9   *    2.2   *
        %  TABLE  *    5.0   *    0.6   *    5.6   *
     ***********************************************
       CELL FREQ  *     15   *      6   *     21   *
 13     %  ROW    *   71.4   *   28.6   *
        %  COL    *   12.9   *   13.3   *
        %  TABLE  *    9.3   *    3.7   *   13.0   *
     ***********************************************
        TL COL FRQ     116         45        161
         %  TABLE     72.05      27.95

 TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  80     PERCENT OF TOTAL:   33.20
```

TABLE 12B cont.

TABLE 13A.

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 9. IN YOUR OPINION, WHEN IS THE BEST TIME TO SCHEDULE THE NEXT SUMMER
                    INSTITUTE.  1=EARLY JUNE; 2=MID JUNE; 3=LATE JUNE; 4=EARLY JULY; 5=MID JULY;
                    6=LATE JULY; 7=EARLY AUGUST; 8=MID AUGUST; 9=LATE AUGUST.



                                                                                    TOTALS
                  1        2        3        4        5        6        7        8        9
 ******************************************************************************************
   CELL FREQ *     1   *     1   *     2   *     1   *     2   *     9   *    36   *     6   *     2   *    60   *
 1  % ROW    *   1.7   *   1.7   *   3.3   *   1.7   *   3.3   *  15.0   *  60.0   *  10.0   *   3.3   *
    % COL    *  33.3   *  14.3   * 100.0   *  25.0   *  66.7   *  47.4   *  34.0   *  54.5   *  16.7   *
    % TABLE  *   0.6   *   0.6   *   1.2   *   0.6   *   1.2   *   5.4   *  21.6   *   3.6   *   1.2   *  35.9   *
 ******************************************************************************************
   CELL FREQ *     0   *     5   *     0   *     0   *     1   *     3   *    27   *     1   *     3   *    40   *
 2  % ROW    *   0.0   *  12.5   *   0.0   *   0.0   *   2.5   *   7.5   *  67.5   *   2.5   *   7.5   *
    % COL    *   0.0   *  71.4   *   0.0   *   0.0   *  33.3   *  15.8   *  25.5   *   9.1   *  25.0   *
    % TABLE  *   0.0   *   3.0   *   0.0   *   0.0   *   0.6   *   1.8   *  16.2   *   0.6   *   1.8   *  24.0   *
 ******************************************************************************************
   CELL FREQ *     2   *     1   *     0   *     2   *     0   *     6   *    36   *     4   *     6   *    57   *
 3  % ROW    *   3.5   *   1.8   *   0.0   *   3.5   *   0.0   *  10.5   *  63.2   *   7.0   *  10.5   *
    % COL    *  66.7   *  14.3   *   0.0   *  50.0   *   0.0   *  31.6   *  34.0   *  36.4   *  50.0   *
    % TABLE  *   1.2   *   0.6   *   0.0   *   1.2   *   0.0   *   3.6   *  21.6   *   2.4   *   3.6   *  34.1   *
 ******************************************************************************************
   CELL FREQ *     0   *     0   *     0   *     1   *     0   *     1   *     7   *     0   *     1   *    10   *
 4  % ROW    *   0.0   *   0.0   *   0.0   *  10.0   *   0.0   *  10.0   *  70.0   *   0.0   *  10.0   *
    % COL    *   0.0   *   0.0   *   0.0   *  25.0   *   0.0   *   5.3   *   6.6   *   0.0   *   8.3   *
    % TABLE  *   0.0   *   0.0   *   0.0   *   0.6   *   0.0   *   0.6   *   4.2   *   0.0   *   0.6   *   6.0   *
 ******************************************************************************************
   TL COL FRQ      3         7         2         4         3        19       106        11        12       167
    % TABLE     1.80      4.19      1.20      2.40      1.80     11.38     63.47      6.59      7.19

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  74     PERCENT OF TOTAL:   30.71

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     26.5792  ;  DF = 24  ;  P = 0.3244

                                         SYMMETRIC LAMBDA :   0.05952

              CRITERION                  PREDICTOR             LAMBDA

              ROW                        COLUMN                0.09346

              COLUMN                     ROW                   0.00000
```

TABLE 13B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 9. IN YOUR OPINION, WHEN IS THE BEST TIME TO SCHEDULE THE NEXT SUMMER
                    INSTITUTE.  1=EARLY JUNE; 2=MID JUNE; 3=LATE JUNE; 4=EARLY JULY; 5=MID JULY;
                    6=LATE JULY; 7=EARLY AUGUST; 8=MID AUGUST; 9=LATE AUGUST.


                                                                                                      TOTALS
                     1         2         3         4         5         6         7         8         9
*******************************************************************************************************************
   CELL FREQ  *      0  *      0  *      0  *      0  *      0  *      0  *      1  *      0  *      0  *      1  *
1   % ROW     *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *  100.0  *    0.0  *    0.0  *
    % COL     *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.9  *    0.0  *    0.0  *
    % TABLE   *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.0  *    0.6  *    0.0  *    0.0  *    0.6  *
*******************************************************************************************************************
   CELL FREQ  *      0  *      3  *      1  *      0  *      2  *      1  *      6  *      2  *      4  *     19  *
2   % ROW     *    0.0  *   15.8  *    5.3  *    0.0  *   10.5  *    5.3  *   31.6  *   10.5  *   21.1  *
    % COL     *    0.0  *   42.9  *   50.0  *    0.0  *   66.7  *    4.8  *    5.5  *   18.2  *   30.8  *
    % TABLE   *    0.0  *    1.7  *    0.6  *    0.0  *    1.1  *    0.6  *    3.4  *    1.1  *    2.3  *   10.9  *
*******************************************************************************************************************
   CELL FREQ  *      0  *      0  *      0  *      0  *      1  *      2  *      9  *      0  *      3  *     15  *
3   % ROW     *    0.0  *    0.0  *    0.0  *    0.0  *    6.7  *   13.3  *   60.0  *    0.0  *   20.0  *
    % COL     *    0.0  *    0.0  *    0.0  *    0.0  *   33.3  *    9.5  *    8.3  *    0.0  *   23.1  *
    % TABLE   *    0.0  *    0.0  *    0.0  *    0.0  *    0.6  *    1.1  *    5.1  *    0.0  *    1.7  *    8.6  *
*******************************************************************************************************************
   CELL FREQ  *      0  *      1  *      0  *      0  *      0  *      3  *     13  *      1  *      0  *     18  *
4   % ROW     *    0.0  *    5.6  *    0.0  *    0.0  *    0.0  *   16.7  *   72.2  *    5.6  *    0.0  *
    % COL     *    0.0  *   14.3  *    0.0  *    0.0  *    0.0  *   14.3  *   11.9  *    9.1  *    0.0  *
    % TABLE   *    0.0  *    0.6  *    0.0  *    0.0  *    0.0  *    1.7  *    7.4  *    0.6  *    0.0  *   10.3  *
*******************************************************************************************************************
   CELL FREQ  *      0  *      2  *      0  *      0  *      0  *      1  *     14  *      3  *      0  *     20  *
5   % ROW     *    0.0  *   10.0  *    0.0  *    0.0  *    0.0  *    5.0  *   70.0  *   15.0  *    0.0  *
    % COL     *    0.0  *   28.6  *    0.0  *    0.0  *    0.0  *    4.8  *   12.8  *   27.3  *    0.0  *
    % TABLE   *    0.0  *    1.1  *    0.0  *    0.0  *    0.0  *    0.6  *    8.0  *    1.7  *    0.0  *   11.4  *
*******************************************************************************************************************
   CELL FREQ  *      0  *      0  *      1  *      1  *      0  *      0  *      1  *      0  *      1  *      4  *
6   % ROW     *    0.0  *    0.0  *   25.0  *   25.0  *    0.0  *    0.0  *   25.0  *    0.0  *   25.0  *
    % COL     *    0.0  *    0.0  *   50.0  *   25.0  *    0.0  *    0.0  *    0.9  *    0.0  *    7.7  *
    % TABLE   *    0.0  *    0.0  *    0.6  *    0.6  *    0.0  *    0.0  *    0.6  *    0.0  *    0.6  *    2.3  *
*******************************************************************************************************************
   CELL FREQ  *      1  *      0  *      0  *      1  *      0  *      4  *      9  *      0  *      2  *     17  *
7   % ROW     *    5.9  *    0.0  *    0.0  *    5.9  *    0.0  *   23.5  *   52.9  *    0.0  *   11.8  *
    % COL     *   20.0  *    0.0  *    0.0  *   25.0  *    0.0  *   19.0  *    8.3  *    0.0  *   15.4  *
    % TABLE   *    0.6  *    0.0  *    0.0  *    0.6  *    0.0  *    2.3  *    5.1  *    0.0  *    1.1  *    9.7  *
*******************************************************************************************************************
```

TABLE 13B cont.

```
     CELL FREQ  *    0   *    0   *    0   *    0   *    0   *    3   *   11   *    0   *    0   *   14  *
 8    % ROW     *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   * 21.4   * 78.6   *  0.0   *  0.0   *
      % COL     *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   * 14.3   * 10.1   *  0.0   *  0.0   *
      % TABLE   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  1.7   *  6.3   *  0.0   *  0.0   *  8.0 *
***********************************************************************************************************
     CELL FREQ  *    0   *    0   *    0   *    1   *    0   *    5   *    9   *    1   *    2   *   18  *
 9    % ROW     *  0.0   *  0.0   *  0.0   *  5.6   *  0.0   * 27.8   * 50.0   *  5.6   * 11.1   *
      % COL     *  0.0   *  0.0   *  0.0   * 25.0   *  0.0   * 23.8   *  8.3   *  9.1   * 15.4   *
      % TABLE   *  0.0   *  0.0   *  0.0   *  0.6   *  0.0   *  2.9   *  5.1   *  0.6   *  1.1   * 10.3 *
***********************************************************************************************************
     CELL FREQ  *    2   *    0   *    0   *    0   *    0   *    0   *    1   *    0   *    0   *    3  *
10    % ROW     * 66.7   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   * 33.3   *  0.0   *  0.0   *
      % COL     * 40.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.9   *  0.0   *  0.0   *
      % TABLE   *  1.1   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.6   *  0.0   *  0.0   *  1.7 *
***********************************************************************************************************
     CELL FREQ  *    2   *    0   *    0   *    0   *    0   *    1   *   11   *    0   *    1   *   15  *
11    % ROW     * 13.3   *  0.0   *  0.0   *  0.0   *  0.0   *  6.7   * 73.3   *  0.0   *  6.7   *
      % COL     * 40.0   *  0.0   *  0.0   *  0.0   *  0.0   *  4.8   * 10.1   *  0.0   *  7.7   *
      % TABLE   *  1.1   *  0.0   *  0.0   *  0.0   *  0.0   *  0.6   *  6.3   *  0.0   *  0.6   *  8.6 *
***********************************************************************************************************
     CELL FREQ  *    0   *    0   *    0   *    0   *    0   *    0   *   12   *    2   *    0   *   14  *
12    % ROW     *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   * 85.7   * 14.3   *  0.0   *
      % COL     *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   * 11.0   * 18.2   *  0.0   *
      % TABLE   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  0.0   *  6.9   *  1.1   *  0.0   *  8.0 *
***********************************************************************************************************
     CELL FREQ  *    0   *    1   *    0   *    1   *    0   *    1   *   12   *    2   *    0   *   17  *
13    % ROW     *  0.0   *  5.9   *  0.0   *  5.9   *  0.0   *  5.9   * 70.6   * 11.8   *  0.0   *
      % COL     *  0.0   * 14.3   *  0.0   * 25.0   *  0.0   *  4.8   * 11.0   * 18.2   *  0.0   *
      % TABLE   *  0.0   *  0.6   *  0.0   *  0.6   *  0.0   *  0.6   *  6.9   *  1.1   *  0.0   *  9.7 *
***********************************************************************************************************
      TL COL FRQ     5        7        2        4        3       21      109       11       13      175
       % TABLE    2.86     4.00     1.14     2.29     1.71    12.00    62.29     6.29     7.43

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   66     PERCENT OF TOTAL:   27.39

   PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:    164.2650  ;  DF = 96  ;  P = 0.0000

                                          SYMMETRIC LAMBDA :    0.07240

               CRITERION                  PREDICTOR             LAMBDA

               ROW                        COLUMN                0.09677

               COLUMN                     ROW                   0.01515
```

TABLE 14A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 10. DID YOU HAVE ENOUGH FREE TIME DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                TOTALS
                   1            2
  *****************************************************
   CELL FREQ  *     63    *     22    *     85    *
1   % ROW     *   74.1    *   25.9    *
    % COL     *   41.2    *   31.4    *
    % TABLE   *   28.3    *    9.9    *   38.1    *
  *****************************************************
   CELL FREQ  *     34    *     16    *     50    *
2   % ROW     *   68.0    *   32.0    *
    % COL     *   22.2    *   22.9    *
    % TABLE   *   15.2    *    7.2    *   22.4    *
  *****************************************************
   CELL FREQ  *     47    *     26    *     73    *
3   % ROW     *   64.4    *   35.6    *
    % COL     *   30.7    *   37.1    *
    % TABLE   *   21.1    *   11.7    *   32.7    *
  *****************************************************
   CELL FREQ  *      9    *      6    *     15    *
4   % ROW     *   60.0    *   40.0    *
    % COL     *    5.9    *    8.6    *
    % TABLE   *    4.0    *    2.7    *    6.7    *
  *****************************************************
    TL COL FRQ     153           70           223
     % TABLE      68.61        31.39

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  18      PERCENT OF TOTAL:     7.47

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      2.3276  ;  DF =  3  ;  P = 0.5072


                                          SYMMETRIC LAMBDA :     0.01923

          CRITERION                       PREDICTOR              LAMBDA

          ROW                             COLUMN                 0.02899

          COLUMN                          ROW                    0.00000
```

```
ROWS REPRESENT:     CLUSTER; 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT:  10. DID YOU HAVE ENOUGH FREE TIME DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                 TOTALS
                         1           2
      ******************************************
       CELL FREQ  *      2    *      0    *      2    *
 1       %  ROW   *  100.0    *    0.0    *
         %  COL   *    1.2    *    0.0    *
         %  TABLE *    0.9    *    0.0    *    0.9    *
      ******************************************
       CELL FREQ  *     12    *     14    *     26    *
 2       %  ROW   *   46.2    *   53.8    *
         %  COL   *    7.4    *   19.2    *
         %  TABLE *    5.1    *    6.0    *   11.1    *
      ******************************************
       CELL FREQ  *      8    *      7    *     15    *
 3       %  ROW   *   53.3    *   46.7    *
         %  COL   *    4.9    *    9.6    *
        .%  TABLE *    3.4    *    3.0    *    6.4    *
      ******************************************
       CELL FREQ  *     13    *      9    *     22    *
 4       %  ROW   *   59.1    *   40.9    *
         %  COL   *    8.0    *   12.3    *
         %  TABLE *    5.5    *    3.8    *    9.4    *
      ******************************************
       CELL FREQ  *     22    *      3    *     25    *
 5       %  ROW   *   88.0    *   12.0    *
         %  COL   *   13.6    *    4.1    *
         %  TABLE *    9.4    *    1.3    *   10.6    *
      ******************************************
       CELL FREQ  *     10    *      4    *     14    *
 6       %  ROW   *   71.4    *   28.6    *
         %  COL   *    6.2    *    5.5    *
         %  TABLE *    4.3    *    1.7    *    6.0    *
      ******************************************
       CELL FREQ  *     18    *      8    *     26    *
 7       %  ROW   *   69.2    *   30.8    *
         %  COL   *   11.1    *   11.0    *
         %  TABLE *    7.7    *    3.4    *   11.1    *
      ******************************************
```

TABLE 14B

TABLE 14B cont.

```
      CELL FREQ  *     8   *    10   *    18   *
  8    %  ROW    *  44.4   *  55.6   *
       %  COL    *   4.9   *  13.7   *
       %  TABLE  *   3.4   *   4.3   *   7.7   *
 ***********************************************
      CELL FREQ  *    21   *     2   *    23   *
  9    %  ROW    *  91.3   *   8.7   *
       %  COL    *  13.0   *   2.7   *
       %  TABLE  *   8.9   *   0.9   *   9.8   *
 ***********************************************
      CELL FREQ  *     4   *     0   *     4   *
 10    %  ROW    * 100.0   *   0.0   *
       %  COL    *   2.5   *   0.0   *
       %  TABLE  *   1.7   *   0.0   *   1.7   *
 ***********************************************
      CELL FREQ  *    14   *     4   *    18   *
 11    %  ROW    *  77.8   *  22.2   *
       %  COL    *   8.6   *   5.5   *
       %  TABLE  *   6.0   *   1.7   *   7.7   *
 ***********************************************
      CELL FREQ  *    11   *     7   *    18   *
 12    %  ROW    *  61.1   *  38.9   *
       %  COL    *   6.8   *   9.6   *
       %  TABLE  *   4.7   *   3.0   *   7.7   *
 ***********************************************
      CELL FREQ  *    19   *     5   *    24   *
 13    %  ROW    *  79.2   *  20.8   *
       %  COL    *  11.7   *   6.8   *
       %  TABLE  *   8.1   *   2.1   *  10.2   *
 ***********************************************
      TL COL FRQ    162        73       235
       %  TABLE   68.94     31.06
 TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   6     PERCENT OF TOTAL:    2.49

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     28.7518  ;  DF = 12  ;  P = 0.0043

                                          SYMMETRIC LAMBDA :    0.04965
            CRITERION                     PREDICTOR             LAMBDA
            ROW                           COLUMN                0.04785
            COLUMN                        ROW                   0.05479
```

TABLE 15A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.

COLUMNS REPRESENT: 11. HOW WOULD YOU RATE THE SUMMER INSTITUTE.
                    1 = EXCELLENT; 2 = GOOD; 3 = FAIR; 4 = POOR.


                                                              TOTALS
                       1           2           3           4
     ***********************************************************
      CELL FREQ  *    42   *    38   *     4   *     1   *    85   *
  1    %  ROW    *  49.4   *  44.7   *   4.7   *   1.2   *
       %  COL    *  39.3   *  43.2   *  18.2   *  33.3   *
       %  TABLE  *  19.1   *  17.3   *   1.8   *   0.5   *  38.6   *
     ***********************************************************
      CELL FREQ  *    22   *    21   *     6   *     1   *    50   *
  2    %  ROW    *  44.0   *  42.0   *  12.0   *   2.0   *
       %  COL    *  20.6   *  23.9   *  27.3   *  33.3   *
       %  TABLE  *  10.0   *   9.5   *   2.7   *   0.5   *  22.7   *
     ***********************************************************
      CELL FREQ  *    34   *    24   *    11   *     1   *    70   *
  3    %  ROW    *  48.6   *  34.3   *  15.7   *   1.4   *
       %  COL    *  31.8   *  27.3   *  50.0   *  33.3   *
       %  TABLE  *  15.5   *  10.9   *   5.0   *   0.5   *  31.8   *
     ***********************************************************
      CELL FREQ  *     9   *     5   *     1   *     0   *    15   *
  4    %  ROW    *  60.0   *  33.3   *   6.7   *   0.0   *
       %  COL    *   8.4   *   5.7   *   4.5   *   0.0   *
       %  TABLE  *   4.1   *   2.3   *   0.5   *   0.0   *   6.8   *
     ***********************************************************
        TL COL FRQ    107          88          22           3        220
         %  TABLE   48.64       40.00       10.00        1.36

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  21     PERCENT OF TOTAL:    8.71

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      7.3003  ;  DF =  9  ;  P = 0.6059


                                          SYMMETRIC LAMBDA :   0.02823
          CRITERION                       PREDICTOR            LAMBDA
          ROW                             COLUMN               0.05185
          COLUMN                          ROW                  0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN. 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 11. HOW WOULD YOU RATE THE SUMMER INSTITUTE.
                     1 = EXCELLENT; 2 = GOOD; 3 = FAIR; 4 = POOR.



                                                                  TOTALS
                    1           2           3           4
       ********************************************************
        CELL FREQ  *     2   *     0   *     0   *     0   *      2   *
 1       %  ROW    *  100.0  *   0.0   *   0.0   *   0.0   *
         %  COL    *   1.8   *   0.0   *   0.0   *   0.0   *
         %  TABLE  *   0.9   *   0.0   *   0.0   *   0.0   *    0.9   *
       ********************************************************
        CELL FREQ  *     4   *    15   *     5   *     1   *     25   *
 2       %  ROW    *  16.0   *  60.0   *  20.0   *   4.0   *
         %  COL    *   3.5   *  16.3   *  21.7   *  33.3   *
         %  TABLE  *   1.7   *   6.5   *   2.2   *   0.4   *   10.8   *
       ********************************************************
        CELL FREQ  *     4   *    10   *     0   *     0   *     14   *
 3       %  ROW    *  28.6   *  71.4   *   0.0   *   0.0   *
         %  COL    *   3.5   *  10.9   *   0.0   *   0.0   *
         %  TABLE  *   1.7   *   4.3   *   0.0   *   0.0   *    6.1   *
       ********************************************************
        CELL FREQ  *    11   *     8   *     3   *     0   *     22   *
 4       %  ROW    *  50.0   *  36.4   *  13.6   *   0.0   *
         %  COL    *   9.7   *   8.7   *  13.0   *   0.0   *
         %  TABLE  *   4.8   *   3.5   *   1.3   *   0.0   *    9.5   *
       ********************************************************
        CELL FREQ  *    17   *     8   *     0   *     0   *     25   *
 5       %  ROW    *  68.0   *  32.0   *   0.0   *   0.0   *
         %  COL    *  15.0   *   8.7   *   0.0   *   0.0   *
         %  TABLE  *   7.4   *   3.5   *   0.0   *   0.0   *   10.8   *
       ********************************************************
        CELL FREQ  *     7   *     4   *     3   *     0   *     14   *
 6       %  ROW    *  50.0   *  28.6   *  21.4   *   0.0   *
         %  COL    *   6.2   *   4.3   *  13.0   *   0.0   *
         %  TABLE  *   3.0   *   1.7   *   1.3   *   0.0   *    6.1   *
       ********************************************************
        CELL FREQ  *    10   *    11   *     3   *     1   *     25   *
 7       %  ROW    *  40.0   *  44.0   *  12.0   *   4.0   *
         %  COL    *   8.8   *  12.0   *  13.0   *  33.3   *
         %  TABLE  *   4.3   *   4.8   *   1.3   *   0.4   *   10.8   *
       ********************************************************
```

TABLE 15B

TABLE 15B cont.

```
      CELL FREQ  *     6   *    10   *     2   *     0   *    18   *
 8     %  ROW    *   33.3  *   55.6  *   11.1  *   0.0   *
       %  COL    *    5.3  *   10.9  *    8.7  *   0.0   *
       %  TABLE  *    2.6  *    4.3  *    0.9  *   0.0   *   7.8   *
     ***************************************************************
      CELL FREQ  *    22   *     1   *     0   *     0   *    23   *
 9     %  ROW    *   95.7  *    4.3  *    0.0  *   0.0   *
       %  COL    *   19.5  *    1.1  *    0.0  *   0.0   *
       %  TABLE  *    9.5  *    0.4  *    0.0  *   0.0   *  10.0   *
     ***************************************************************
      CELL FREQ  *     4   *     0   *     0   *     0   *     4   *
10     %  ROW    *  100.0  *    0.0  *    0.0  *   0.0   *
       %  COL    *    3.5  *    0.0  *    0.0  *   0.0   *
       %  TABLE  *    1.7  *    0.0  *    0.0  *   0.0   *   1.7   *
     ***************************************************************
      CELL FREQ  *     9   *     6   *     3   *     1   *    19   *
11     %  ROW    *   47.4  *   31.6  *   15.8  *   5.3   *
       %  COL    *    8.0  *    6.5  *   13.0  *  33.3   *
       %  TABLE  *    3.9  *    2.6  *    1.3  *   0.4   *   8.2   *
     ***************************************************************
      CELL FREQ  *     6   *     7   *     3   *     0   *    16   *
12     %  ROW    *   37.5  *   43.8  *   18.8  *   0.0   *
       %  COL    *    5.3  *    7.6  *   13.0  *   0.0   *
       %  TABLE  *    2.6  *    3.0  *    1.3  *   0.0   *   6.9   *
     ***************************************************************
      CELL FREQ  *    11   *    12   *     1   *     0   *    24   *
13     %  ROW    *   45.8  *   50.0  *    4.2  *   0.0   *
       %  COL    *    9.7  *   13.0  *    4.3  *   0.0   *
       %  TABLE  *    4.8  *    5.2  *    0.4  *   0.0   *  10.4   *
     ***************************************************************
       TL COL FRQ     113        92        23         3       231
        %  TABLE     48.92     39.83      9.96      1.30

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  10     PERCENT OF TOTAL:     4.15

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     64.1958  ;  DF = 36  ;  P = 0.0026

                                        SYMMETRIC LAMBDA :     0.12963

            CRITERION                   PREDICTOR              LAMBDA

            ROW                         COLUMN                 0.08738

            COLUMN                      ROW                    0.20339
```

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 12. WOULD YOU PREFER TO ATTEND A REGIONAL SUMMER INSTITUTE (FOR EXAMPLE, IN
                    CALIFORNIA, NEW YORK, OR FT. LAUDERDALE) RATHER THAN A NATIONAL INSTITUTE.
                    1 = YES; 2 = NO.



                                          TOTALS
                      1           2
     ****************************************
      CELL FREQ  *    14    *    60    *    74    *
1      %  ROW    *   18.9   *   81.1   *
       %  COL    *   26.9   *   44.4   *
       %  TABLE  *    7.5   *   32.1   *  39.6    *
     ****************************************
      CELL FREQ  *    17    *    26    *    43    *
2      %  ROW    *   39.5   *   60.5   *
       %  COL    *   32.7   *   19.3   *
       %  TABLE  *    9.1   *   13.9   *  23.0    *
     ****************************************
      CELL FREQ  *    15    *    42    *    57    *
3      %  ROW    *   26.3   *   73.7   *
       %  COL    *   28.8   *   31.1   *
       %  TABLE  *    8.0   *   22.5   *  30.5    *
     ****************************************
      CELL FREQ  *     6    *     7    *    13    *
4      %  ROW    *   46.2   *   53.8   *
       %  COL    *   11.5   *    5.2   *
       %  TABLE  *    3.2   *    3.7   *   7.0    *
     ****************************************
      TL COL FRQ      52          135        187
       %  TABLE      27.81        72.19

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  54     PERCENT OF TOTAL:   22.41

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      8.1011  ;  DF =  3  ;  P = 0.0440

                                          SYMMETRIC LAMBDA :    0.01818

               CRITERION                  PREDICTOR             LAMBDA

               ROW                        COLUMN                0.02655

               COLUMN                     ROW                   0.00000
```

TABLE 16A

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 12. WOULD YOU PREFER TO ATTEND A REGIONAL SUMMER INSTITUTE (FOR EXAMPLE, IN
                     CALIFORNIA, NEW YORK, OR FT. LAUDERDALE) RATHER THAN A NATIONAL INSTITUTE.
                     1 = YES; 2 = NO.


                                              TOTALS
                        1          2
     ****************************************************
      CELL FREQ  *      1    *      1    *      2    *
 1     %  ROW    *   50.0    *   50.0    *
       %  COL    *    1.8    *    0.7    *
       %  TABLE  *    0.5    *    0.5    *    1.0    *
     ****************************************************
      CELL FREQ  *      9    *     12    *     21    *
 2     %  ROW    *   42.9    *   57.1    *
       %  COL    *   15.8    *    8.5    *
       %  TABLE  *    4.5    *    6.0    *   10.6    *
     ****************************************************
      CELL FREQ  *      4    *      9    *     13    *
 3     %  ROW    *   30.8    *   69.2    *
       %  COL    *    7.0    *    6.3    *
       %  TABLE  *    2.0    *    4.5    *    6.5    *
     ****************************************************
      CELL FREQ  *      2    *     15    *     17    *
 4     %  ROW    *   11.8    *   88.2    *
       %  COL    *    3.5    *   10.6    *
       %  TABLE  *    1.0    *    7.5    *    8.5    *
     ****************************************************
      CELL FREQ  *      1    *     23    *     24    *
 5     %  ROW    *    4.2    *   95.8    *
       %  COL    *    1.8    *   16.2    *
       %  TABLE  *    0.5    *   11.6    *   12.1    *
     ****************************************************
      CELL FREQ  *      6    *      6    *     12    *
 6     %  ROW    *   50.0    *   50.0    *
       %  COL    *   10.5    *    4.2    *
       %  TABLE  *    3.0    *    3.0    *    6.0    *
     ****************************************************
      CELL FREQ  *      6    *     12    *     18    *
 7     %  ROW    *   33.3    *   66.7    *
       %  COL    *   10.5    *    8.5    *
       %  TABLE  *    3.0    *    6.0    *    9.0    *
     ****************************************************
```

TABLE 16B

TABLE 16B cont.

```
       CELL FREQ  *     4   *    14   *    18   *
  8     %  ROW    *  22.2   *  77.8   *
        %  COL    *   7.0   *   9.9   *
        %  TABLE  *   2.0   *   7.0   *   9.0   *
     ********************************************
       CELL FREQ  *     1   *    18   *    19   *
  9     %  ROW    *   5.3   *  94.7   *
        %  COL    *   1.8   *  12.7   *
        %  TABLE  *   0.5   *   9.0   *   9.5   *
     ********************************************
       CELL FREQ  *     0   *     3   *     3   *
 10     %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *   2.1   *
        %  TABLE  *   0.0   *   1.5   *   1.5   *
     ********************************************
       CELL FREQ  *     8   *     8   *    16   *
 11     %  ROW    *  50.0   *  50.0   *
        %  COL    *  14.0   *   5.6   *
        %  TABLE  *   4.0   *   4.0   *   8.0   *
     ********************************************
       CELL FREQ  *     3   *    11   *    14   *
 12     %  ROW    *  21.4   *  78.6   *
        %  COL    *   5.3   *   7.7   *
        %  TABLE  *   1.5   *   5.5   *   7.0   *
     ********************************************
       CELL FREQ  *    12   *    10   *    22   *
 13     %  ROW    *  54.5   *  45.5   *
        %  COL    *  21.1   *   7.0   *
        %  TABLE  *   6.0   *   5.0   *  11.1   *
     ********************************************
         TL COL FRQ    57        142       199
          %  TABLE   28.64     71.36

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  42     PERCENT OF TOTAL:   17.43

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      32.6243  ;  DF = 12  ;  P = 0.0011


                                           SYMMETRIC LAMBDA :   0.05603

               CRITERION                   PREDICTOR            LAMBDA

               ROW                         COLUMN               0.06286

               COLUMN                      ROW                  0.03509
```

TABLE 17A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 13. WOULD YOU WANT TO ATTEND A SUMMER INSTITUTE AGAIN NEXT YEAR.
                     1 = YES; 2 = NO.



                                              TOTALS
                       1          2
    ****************************************************
     CELL FREQ  *     81    *     5    *     86    *
1     %  ROW    *   94.2    *   5.8    *
      %  COL    *   38.8    *  38.5    *
      %  TABLE  *   36.5    *   2.3    *   38.7    *
    ****************************************************
     CELL FREQ  *     47    *     2    *     49    *
2     %  ROW    *   95.9    *   4.1    *
      %  COL    *   22.5    *  15.4    *
      %  TABLE  *   21.2    *   0.9    *   22.1    *
    ****************************************************
     CELL FREQ  *     67    *     5    *     72    *
3     %  ROW    *   93.1    *   6.9    *
      %  COL    *   32.1    *  38.5    *
      %  TABLE  *   30.2    *   2.3    *   32.4    *
    ****************************************************
     CELL FREQ  *     14    *     1    *     15    *
4     %  ROW    *   93.3    *   6.7    *
      %  COL    *    6.7    *   7.7    *
      %  TABLE  *    6.3    *   0.5    *    6.8    *
    ****************************************************
       TL COL FRQ   '209         13         222
        %  TABLE    94.14        5.86

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  19     PERCENT OF TOTAL:     7.88

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       0.4527  ;  DF =  3  ;  P = 0.9291


                                           SYMMETRIC LAMBDA :    0.00000

             CRITERION                     PREDICTOR             LAMBDA

             ROW                           COLUMN                0.00000

             COLUMN                        ROW                   0.00000
```

TABLE 17B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 13. WOULD YOU WANT TO ATTEND A SUMMER INSTITUTE AGAIN NEXT YEAR.
                    1 = YES; 2 = NO.



                                              TOTALS
                        1           2
       ****************************************
        CELL FREQ  *     2    *     0    *     2    *
 1       %  ROW    *  100.0   *   0.0    *
         %  COL    *    0.9   *   0.0    *
         %  TABLE  *    0.9   *   0.0    *   0.9    *
       ****************************************
        CELL FREQ  *    22    *     2    *    24    *
 2       %  ROW    *   91.7   *   8.3    *
         %  COL    *   10.0   *  14.3    *
         %  TABLE  *    9.4   *   0.9    *  10.3    *
       ****************************************
        CELL FREQ  *    15    *     0    *    15    *
 3       %  ROW    *  100.0   *   0.0    *
         %  COL    *    6.8   *   0.0    *
         %  TABLE  *    6.4   *   0.0    *   6.4    *
       ****************************************
        CELL FREQ  *    22    *     0    *    22    *
 4       %  ROW    *  100.0   *   0.0    *
         %  COL    *   10.0   *   0.0    *
         %  TABLE  *    9.4   *   0.0    *   9.4    *
       ****************************************
        CELL FREQ  *    25    *     1    *    26    *
 5       %  ROW    *   96.2   *   3.8    *
         %  COL    *   11.4   *   7.1    *
         %  TABLE  *   10.7   *   0.4    *  11.2    *
       ****************************************
        CELL FREQ  *    12    *     1    *    13    *
 6       %  ROW    *   92.3   *   7.7    *
         %  COL    *    5.5   *   7.1    *
         %  TABLE  *    5.2   *   0.4    *   5.6    *
       ****************************************
        CELL FREQ  *    25    *     1    *    26    *
 7       %  ROW    *   96.2   *   3.8    *
         %  COL    *   11.4   *   7.1    *
         %  TABLE  *   10.7   *   0.4    *  11.2    *
       ****************************************
       CELL FREQ  *    17   *    1   *    18   *
  8     %  ROW    *  94.4   *   5.6  *
        %  COL    *   7.8   *   7.1  *
        %  TABLE  *   7.3   *   0.4  *   7.7   *
     ********************************************
       CELL FREQ  *    22   *    1   *    23   *
  9     %  ROW    *  95.7   *   4.3  *
        %  COL    *  10.0   *   7.1  *
        %  TABLE  *   9.4   *   0.4  *   9.9   *
     ********************************************
       CELL FREQ  *     4   *    0   *     4   *
 10     %  ROW    * 100.0   *   0.0  *
        %  COL    *   1.8   *   0.0  *
        %  TABLE  *   1.7   *   0.0  *   1.7   *
     ********************************************
       CELL FREQ  *    16   *    2   *    18   *
 11     %  ROW    *  88.9   *  11.1  *
        %  COL    *   7.3   *  14.3  *
        %  TABLE  *   6.9   *   0.9  *   7.7   *
     ********************************************
       CELL FREQ  *    16   *    2   *    18   *
 12     %  ROW    *  88.9   *  11.1  *
        %  COL    *   7.3   *  14.3  *
        %  TABLE  *   6.9   *   0.9  *   7.7   *
     ********************************************
       CELL FREQ  *    21   *    3   *    24   *
 13     %  ROW    *  87.5   *  12.5  *
        %  COL    *   9.6   *  21.4  *
        %  TABLE  *   9.0   *   1.3  *  10.3   *
     ********************************************
         TL COL FRQ  219        14        233
          %  TABLE  93.99      6.01

 TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   8     PERCENT OF TOTAL:    3.32

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      7.0436  ;  DF = 12  ;  P = 0.8547


                                        SYMMETRIC LAMBDA :   0.00905

           CRITERION                   PREDICTOR            LAMBDA

           ROW                         COLUMN               0.00966

           COLUMN                      ROW                  0.0000C
```

TABLE 17B cont.

TABLE 19A

```
RØWS REPRESENT:     PRESENT PØSITIØN: 1 = ADMINISTRATIØN; 2 = BEHAVIØRAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTIØN; 4 = ENGINEERING TECHNØLØGY.


CØLUMNS REPRESENT: 15A. WERE YØUR MØST PRESSING QUESTIØNS ABØUT THE GENERAL PRØGRAM STRUCTURE
                     ANSWERED DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NØ.



                                             TØTALS
                      1            2
   ***************************************************
    CELL FREQ  *     76     *      7    *     83    *
1    %  RØW    *   91.6     *    8.4    *
     %  CØL    *   38.8     *   30.4    *
     %  TABLE  *   34.7     *    3.2    *   37.9    *
   ***************************************************
    CELL FREQ  *     46     *      4    *     50    *
2    %  RØW    *   92.0     *    8.0    *
     %  CØL    *   23.5     *   17.4    *
     %  TABLE  *   21.0     *    1.8    *   22.8    *
   ***************************************************
    CELL FREQ  *     64     *      9    *     73    *
3    %  RØW    *   87.7     *   12.3    *
     %  CØL    *   32.7     *   39.1    *
     %  TABLE  *   29.2     *    4.1    *   33.3    *
   ***************************************************
    CELL FREQ  *     10     *      3    *     13    *
4    %  RØW    *   76.9     *   23.1    *
     %  CØL    *    5.1     *   13.0    *
     %  TABLE  *    4.6     *    1.4    *    5.9    *
   ***************************************************
    TL CØL FRQ      196           23          219
     %  TABLE     89.50        10.50

TØTAL SAMPLE SIZE:  241   NUMBER NØT RESPØNDING:  22      PERCENT ØF TØTAL:     9.13

 PEARSØN CHI SQUARE TEST ØF ASSØCIATIVITY:      3.1570  ;  DF =  3  ;  P = 0.3681

                                           SYMMETRIC LAMBDA :    0.01258

            CRITERIØN                     PREDICTØR              LAMBDA

            RØW                           CØLUMN                 0.01471

            CØLUMN                        RØW                    0.00000
```

TABLE 19B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 15A. WERE YOUR MOST PRESSING QUESTIONS ABOUT THE GENERAL PROGRAM STRUCTURE
                     ANSWERED DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                TOTALS
                        1           2
      *****************************************
       CELL FREQ  *       2   *       0   *       2   *
 1      %  ROW    *   100.0   *     0.0   *
        %  COL    *     1.0   *     0.0   *
        %  TABLE  *     0.9   *     0.0   *     0.9   *
      *****************************************
       CELL FREQ  *      20   *       6   *      26   *
 2      %  ROW    *    76.9   *    23.1   *
        %  COL    *     9.8   *    25.0   *
        %  TABLE  *     8.7   *     2.6   *    11.4   *
      *****************************************
       CELL FREQ  *      14   *       1   *      15   *
 3      %  ROW    *    93.3   *     6.7   *
        %  COL    *     6.8   *     4.2   *
        %  TABLE  *     6.1   *     0.4   *     6.6   *
      *****************************************
       CELL FREQ  *      21   *       1   *      22   *
 4      %  ROW    *    95.5   *     4.5   *
        %  COL    *    10.2   *     4.2   *
        %  TABLE  *     9.2   *     0.4   *     9.6   *
      *****************************************
       CELL FREQ  *      24   *       1   *      25   *
 5      %  ROW    *    96.0   *     4.0   *
        %  COL    *    11.7   *     4.2   *
        %  TABLE  *    10.5   *     0.4   *    10.9   *
      *****************************************
       CELL FREQ  *       8   *       3   *      11   *
 6      %  ROW    *    72.7   *    27.3   *
        %  COL    *     3.9   *    12.5   *
        %  TABLE  *     3.5   *     1.3   *     4.8   *
      *****************************************
       CELL FREQ  *      25   *       1   *      26   *
 7      %  ROW    *    96.2   *     3.8   *
        %  COL    *    12.2   *     4.2   *
        %  TABLE  *    10.9   *     0.4   *    11.4   *
      *****************************************
```

TABLE 19B cont.

```
       CELL FREQ  *     12   *     6   *     18   *
 8       %  ROW   *   66.7   *   33.3  *
         %  COL   *    5.9   *   25.0  *
         %  TABLE *    5.2   *    2.6  *    7.9   *
     *******************************************
       CELL FREQ  *     22   *     1   *     23   *
 9       %  ROW   *   95.7   *    4.3  *
         %  COL   *   10.7   *    4.2  *
         %  TABLE *    9.6   *    0.4  *   10.0   *
     *******************************************
       CELL FREQ  *      4   *     0   *      4   *
10       %  ROW   *  100.0   *    0.0  *
         %  COL   *    2.0   *    0.0  *
         %  TABLE *    1.7   *    0.0  *    1.7   *
     *******************************************
       CELL FREQ  *     17   *     2   *     19   *
11       %  ROW   *   89.5   *   10.5  *
         %  COL   *    8.3   *    8.3  *
         %  TABLE *    7.4   *    0.9  *    8.3   *
     *******************************************
       CELL FREQ  *     14   *     2   *     16   *
12       %  ROW   *   87.5   *   12.5  *
         %  COL   *    6.8   *    8.3  *
         %  TABLE *    6.1   *    0.9  *    7.0   *
     *******************************************
       CELL FREQ  *     22   *     0   *     22   *
13       %  ROW   *  100.0   *    0.0  *
         %  COL   *   10.7   *    0.0  *
         %  TABLE *    9.6   *    0.0  *    9.6   *
     *******************************************
        TL COL FRQ     205         24         229
         %  TABLE     89.52      10.48

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  12     PERCENT OF TOTAL:     4.98

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     25.3902  ;  DF = 12  ;  P = 0.0131

                                              SYMMETRIC LAMBDA :    0.02203

              CRITERION                       PREDICTOR             LAMBDA

              ROW                             COLUMN                0.02463

              COLUMN                          ROW                   0.00000
```

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 15B. WERE YOUR MOST PRESSING QUESTIONS ABOUT SEMINARS WITH NATIONAL
                     LECTURERS ANSWERED DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                             TOTALS
                        1          2
       *******************************************
        CELL FREQ  *    74    *     9    *    83    *
  1      %  ROW    *   89.2   *   10.8   *
         %  COL    *   38.1   *   36.0   *
         %  TABLE  *   33.8   *    4.1   *  37.9    *
       *******************************************
        CELL FREQ  *    41    *     9    *    50    *
  2      %  ROW    *   82.0   *   18.0   *
         %  COL    *   21.1   *   36.0   *
         %  TABLE  *   18.7   *    4.1   *  22.8    *
       *******************************************
        CELL FREQ  *    69    *     4    *    73    *
  3      %  ROW    *   94.5   *    5.5   *
         %  COL    *   35.6   *   16.0   *
         %  TABLE  *   31.5   *    1.8   *  33.3    *
       *******************************************
        CELL FREQ  *    10    *     3    *    13    *
  4      %  ROW    *   76.9   *   23.1   *
         %  COL    *    5.2   *   12.0   *.
         %  TABLE  *    4.6   *    1.4   *   5.9    *
       *******************************************
        TL COL FRQ      194         25        219
          %  TABLE     88.58      11.42
 TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  22     PERCENT OF TOTAL:    9.13

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       6.4625  ;  DF =  3  ;  P = 0.0912
                                              SYMMETRIC LAMBDA ;    0.00000
               CRITERION                      PREDICTOR             LAMBDA

               ROW                            COLUMN                0.00000

               COLUMN                         ROW                   0.00000
```

TABLE 20A

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 15B. WERE YOUR MOST PRESSING QUESTIONS ABOUT SEMINARS WITH NATIONAL
                     LECTURERS ANSWERED DURING THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.


                                                 TOTALS
                       1           2
       ****************************************************
        CELL FREQ  *      1    *      1    *        2    *
 1       %  ROW    *   50.0    *   50.0    *
         %  COL    *    0.5    *    3.8    *
         %  TABLE  *    0.4    *    0.4    *      0.9    *
       ****************************************************
        CELL FREQ  *     19    *      7    *       26    *
 2       %  ROW    *   73.1    *   26.9    *
         %  COL    *    9.3    *   26.9    *
         %  TABLE  *    8.3    *    3.0    *     11.3    *
       ****************************************************
        CELL FREQ  *     14    *      1    *       15    *
 3       %  ROW    *   93.3    *    6.7    *
         %  COL    *    6.9    *    3.8    *
         %  TABLE  *    6.1    *    0.4    *      6.5    *
       ****************************************************
        CELL FREQ  *     18    *      3    *       21    *
 4       %  ROW    *   85.7    *   14.3    *
         %  COL    *    8.8    *   11.5    *
         %  TABLE  *    7.8    *    1.3    *      9.1    *
       ****************************************************
        CELL FREQ  *     24    *      1    *       25    *
 5       %  ROW    *   96.0    *    4.0    *
         %  COL    *   11.8    *    3.8    *
         %  TABLE  *   10.4    *    0.4    *     10.9    *
       ****************************************************
        CELL FREQ  *     12    *      1    *       13    *
 6       %  ROW    *   92.3    *    7.7    *
         %  COL    *    5.9    *    3.8    *
         %  TABLE  *    5.2    *    0.4    *      5.7    *
       ****************************************************
        CELL FREQ  *     22    *      3    *       25    *
 7       %  ROW    *   88.0    *   12.0    *
         %  COL    *   10.8    *   11.5    *
         %  TABLE  *    9.6    *    1.3    *     10.9    *
       ****************************************************
```

TABLE 20B

```
      CELL FREQ  *    15   *     3   *    18   *
  8     %  ROW   *  83.3   *  16.7   *
        %  COL   *   7.4   *  11.5   *
        %  TABLE *   6.5   *   1.3   *   7.8   *
  *********************************************
      CELL FREQ  *    22   *     1   *    23   *
  9     %  ROW   *  95.7   *   4.3   *
        %  COL   *  10.8   *   3.8   *
        %  TABLE *   9.6   *   0.4   *  10.0   *
  *********************************************
      CELL FREQ  *     4   *     0   *     4   *
 10     %  ROW   * 100.0   *   0.0   *
        %  COL   *   2.0   *   0.0   *
        %  TABLE *   1.7   *   0.0   *   1.7   *
  *********************************************
      CELL FREQ  *    17   *     2   *    19   *
 11     %  ROW   *  89.5   *  10.5   *
        %  COL   *   8.3   *   7.7   *
        %  TABLE *   7.4   *   0.9   *   8.3   *
  *********************************************
      CELL FREQ  *    15   *     3   *    18   *
 12     %  ROW   *  83.3   *  16.7   *
        %  COL   *   7.4   *  11.5   *
        %  TABLE *   6.5   *   1.3   *   7.8   *
  *********************************************
      CELL FREQ  *    21   *     0   *    21   *
 13     %  ROW   * 100.0   *   0.0   *
        %  COL   *  10.3   *   0.0   *
        %  TABLE *   9.1   *   0.0   *   9.1   *
  *********************************************
       TL COL FRQ    204        26        230
        %  TABLE    88.70     11.30

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  11     PERCENT OF TOTAL:     4.56


  PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      16.6724  ;  DF = 12  ;  P = 0.1623

                                             SYMMETRIC LAMBDA :    0.02174

              CRITERION                      PREDICTOR             LAMBDA

              ROW                            COLUMN                0.02451

              COLUMN                         ROW                   0.00000
```

TABLE 20B cont.

TABLE 21A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 15C. WERE YOUR MOST PRESSING QUESTIONS ABOUT PRACTICUMS ANSWERED DURING
                     THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                                 TOTALS
                        1           2
    *****************************************************
      CELL FREQ  *     80     *     3     *     83     *
1      %  ROW    *   96.4     *   3.6     *
       %  COL    *   38.5     *  30.0     *
       %  TABLE  *   36.7     *   1.4     *   38.1     *
    *****************************************************
      CELL FREQ  *     48     *     1     *     49     *
2      %  ROW    *   98.0     *   2.0     *
       %  COL    *   23.1     *  10.0     *
       %  TABLE  *   22.0     *   0.5     *   22.5     *
    *****************************************************
      CELL FREQ  *     69     *     4     *     73     *
3      %  ROW    *   94.5     *   5.5     *
       %  COL    *   33.2     *  40.0     *
       %  TABLE  *   31.7     *   1.8     *   33.5     *
    *****************************************************
      CELL FREQ  *     11     *     2     *     13     *
4      %  ROW    *   84.6     *  15.4     *
       %  COL    *    5.3     *  20.0     *
       %  TABLE  *    5.0     *   0.9     *    6.0     *
    *****************************************************
      TL COL FRQ      208          10          218
       %  TABLE     95.41        4.59

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  23     PERCENT OF TOTAL:     9.54

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       4.5010  ;  DF =  3  ;  P = 0.2122

                                              SYMMETRIC LAMBDA :     0.00690

                 CRITERION                    PREDICTOR              LAMBDA

                 ROW                          COLUMN                 0.00741

                 COLUMN                       ROW                    0.00000
```

```
ROWS REPRESENT:    CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                    6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                    11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 15C. WERE YOUR MOST PRESSING QUESTIONS ABOUT PRACTICUMS ANSWERED DURING
                    THE SUMMER INSTITUTE.
                    1 = YES; 2 = NO.



                                         TOTALS
                   1          2
     ****************************************
      CELL FREQ  *      2  *      0  *      2  *
 1     %  ROW    *  100.0  *    0.0  *
       %  COL    *    0.9  *    0.0  *
       %  TABLE  *    0.9  *    0.0  *    0.9  *
     ****************************************
      CELL FREQ  *     23  *      3  *     26  *
 2     %  ROW    *   88.5  *   11.5  *
       %  COL    *   10.5  *   33.3  *
       %  TABLE  *   10.1  *    1.3  *   11.4  *
     ****************************************
      CELL FREQ  *     14  *      0  *     14  *
 3     %  ROW    *  100.0  *    0.0  *
       %  COL    *    6.4  *    0.0  *
       %  TABLE  *    6.1  *    0.0  *    6.1  *
     ****************************************
      CELL FREQ  *     21  *      1  *     22  *
 4     %  ROW    *   95.5  *    4.5  *
       %  COL    *    9.6  *   11.1  *
       %  TABLE  *    9.2  *    0.4  *    9.6  *
     ****************************************
      CELL FREQ  *     25  *      0  *     25  *
 5     %  ROW    *  100.0  *    0.0  *
       %  COL    *   11.4  *    0.0  *
       %  TABLE  *   11.0  *    0.0  *   11.0  *
     ****************************************
      CELL FREQ  *     12  *      1  *     13  *
 6     %  ROW    *   92.3  *    7.7  *
       %  COL    *    5.5  *   11.1  *
       %  TABLE  *    5.3  *    0.4  *    5.7  *
     ****************************************
      CELL FREQ  *     22  *      1  *     23  *
 7     %  ROW    *   95.7  *    4.3  *
       %  COL    *   10.0  *   11.1  *
       %  TABLE  *    9.6  *    0.4  *   10.1  *
     ****************************************
```

TABLE 21B

```
     CELL FREQ  *    18    *     0    *    18    *
 8     %  ROW   * 100.0    *   0.0    *
       %  COL   *   8.2    *   0.0    *
       %  TABLE *   7.9    *   0.0    *   7.9    *
*************************************************
     CELL FREQ  *    23    *     0    *    23    *
 9     %  ROW   * 100.0    *   0.0    *
       %  COL   *  10.5    *   0.0    *
       %  TABLE *  10.1    *   0.0    *  10.1    *
*************************************************
     CELL FREQ  *     4    *     0    *     4    *
10     %  ROW   * 100.0    *   0.0    *
       %  COL   *   1.8    *   0.0    *
       %  TABLE *   1.8    *   0.0    *   1.8    *
*************************************************
     CELL FREQ  *    16    *     3    *    19    *
11     %  ROW   *  84.2    *  15.8    *
       %  COL   *   7.3    *  33.3    *
       %  TABLE *   7.0    *   1.3    *   8.3    *
*************************************************
     CELL FREQ  *    18    *     0    *    18    *
12     %  ROW   * 100.0    *   0.0    *
       %  COL   *   8.2    *   0.0    *
       %  TABLE *   7.9    *   0.0    *   7.9    *
*************************************************
     CELL FREQ  *    21    *     0    *    21    *
13     %  ROW   * 100.0    *   0.0    *
       %  COL   *   9.6    *   0.0    *
       %  TABLE *   9.2    *   0.0    *   9.2    *
*************************************************
       TL COL FRQ   219         9         228
        %  TABLE    96.05       3.95

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  13     PERCENT OF TOTAL:     5.39

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     16.6272  ;  DF = 12  ;  P = 0.1642

                                    SYMMETRIC LAMBDA :    0.00948

      CRITERION                     PREDICTOR             LAMBDA

      ROW                           COLUMN                0.00990

      COLUMN                        ROW                   0.00000
```

TABLE 21B cont.

TABLE 22A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.

COLUMNS REPRESENT: 16. OVERALL, WHICH SESSIONS DID YOU ENJOY MOST.
                    1 = GENERAL SESSIONS.
                    2 = CONCURRENT SESSIONS.
                    3 = BOTH GENERAL AND CONCURRENT SESSIONS EQUALLY WELL.


                          1          2          3        TOTALS
      **************************************************************
       CELL FREQ  *     21    *     12    *     49    *     82    *
  1     %  ROW    *   25.6    *   14.6    *   59.8    *
        %  COL    *   52.5    *   24.0    *   39.2    *
        %  TABLE  *    9.8    *    5.6    *   22.8    *   38.1    *
      **************************************************************
       CELL FREQ  *      7    *     19    *     21    *     47    *
  2     %  ROW    *   14.9    *   40.4    *   44.7    *
        %  COL    *   17.5    *   38.0    *   16.8    *
        %  TABLE  *    3.3    *    8.8    *    9.8    *   21.9    *
      **************************************************************
       CELL FREQ  *     12    *     16    *     44    *     72    *
  3     %  ROW    *   16.7    *   22.2    *   61.1    *
        %  COL    *   30.0    *   32.0    *   35.2    *
        %  TABLE  *    5.6    *    7.4    *   20.5    *   33.5    *
      **************************************************************
       CELL FREQ  *      0    *      3    *     11    *     14    *
  4     %  ROW    *    0.0    *   21.4    *   78.6    *
        %  COL    *    0.0    *    6.0    *    8.8    *
        %  TABLE  *    0.0    *    1.4    *    5.1    *    6.5    *
      **************************************************************
       TL COL FRQ       40         50         125        215
        %  TABLE      18.60      23.26      58.14

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  26     PERCENT OF TOTAL:   10.79

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     16.5085  ;  DF =  6  ;  P = 0.0113

                                           SYMMETRIC LAMBDA :    0.03139

           CRITERION                       PREDICTOR             LAMBDA

           ROW                             COLUMN                0.05263

           COLUMN                          ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 16. OVERALL, WHICH SESSIONS DID YOU ENJOY MOST.
                     1 = GENERAL SESSIONS.
                     2 = CONCURRENT SESSIOMS.
                     3 = BOTH GENERAL AND CONCURRENT SESSIONS EQUALLY WELL.



                                                       TOTALS
                     1           2          3
    *********************************************************
     CELL FREQ  *      0    *      0   *      2   *      2   *
1     %  ROW    *    0.0    *    0.0   *  100.0   *
      %  COL    *    0.0    *    0.0   *    1.5   *
      %  TABLE  *    0.0    *    0.0   *    0.9   *    0.9   *
    *********************************************************
     CELL FREQ  *      4    *      6   *     14   *     24   *
2     %  ROW    *   16.7    *   25.0   *   58.3   *
      %  COL    *    9.5    *   11.1   *   10.7   *
      %  TABLE  *    1.8    *    2.6   *    6.2   *   10.6   *
    *********************************************************
     CELL FREQ  *      2    *      1   *     12   *     15   *
3     %  ROW    *   13.3    *    6.7   *   80.0   *
      %  COL    *    4.8    *    1.9   *    9.2   *
      %  TABLE  *    0.9    *    0.4   *    5.3   *    6.6   *
    *********************************************************
     CELL FREQ  *      7    *      4   *     10   *     21   *
4     %  ROW    *   33.3    *   19.0   *   47.6   *
      %  COL    *   16.7    *    7.4   *    7.6   *
      %  TABLE  *    3.1    *    1.8   *    4.4   *    9.3   *
    *********************************************************
     CELL FREQ  *      8    *      4   *     12   *     24   *
5     %  ROW    *   33.3    *   16.7   *   50.0   *
      %  COL    *   19.0    *    7.4   *    9.2   *
      %  TABLE  *    3.5    *    1.8   *    5.3   *   10.6   *
    *********************************************************
     CELL FREQ  *      4    *      4   *      5   *     13   *
6     %  ROW    *   30.8    *   30.8   *   38.5   *
      %  COL    *    9.5    *    7.4   *    3.8   *
      %  TABLE  *    1.8    *    1.8   *    2.2   *    5.7   *
    *********************************************************
     CELL FREQ  *      1    *     12   *     13   *     26   *
7     %  ROW    *    3.8    *   46.2   *   50.0   *
      %  COL    *    2.4    *   22.2   *    9.9   *
      %  TABLE  *    0.4    *    5.3   *    5.7   *   11.5   *
    *********************************************************
```

TABLE 22B

TABLE 22B cont.

```
    CELL FREQ  *    2   *    5   *   11   *   18   *
8    %  ROW    *  11.1  *  27.8  *  61.1  *
     %  COL    *   4.8  *   9.3  *   8.4  *
     %  TABLE  *   0.9  *   2.2  *   4.8  *   7.9  *
*****************************************************
    CELL FREQ  *    3   *    1   *   18   *   22   *
9    %  ROW    *  13.6  *   4.5  *  81.8  *
     %  COL    *   7.1  *   1.9  *  13.7  *
     %  TABLE  *   1.3  *   0.4  *   7.9  *   9.7  *
*****************************************************
    CELL FREQ  *    1   *    0   *    3   *    4   *
10   %  ROW    *  25.0  *   0.0  *  75.0  *
     %  COL    *   2.4  *   0.0  *   2.3  *
     %  TABLE  *   0.4  *   0.0  *   1.3  *   1.8  *
*****************************************************
    CELL FREQ  *    2   *    8   *    7   *   17   *
11   %  ROW    *  11.8  *  47.1  *  41.2  *
     %  COL    *   4.8  *  14.8  *   5.3  *
     %  TABLE  *   0.9  *   3.5  *   3.1  *   7.5  *
*****************************************************
    CELL FREQ  *    5   *    5   *    8   *   18   *
12   %  ROW    *  27.8  *  27.8  *  44.4  *
     %  COL    *  11.9  *   9.3  *   6.1  *
     %  TABLE  *   2.2  *   2.2  *   3.5  *   7.9  *
*****************************************************
    CELL FREQ  *    3   *    4   *   16   *   23   *
13   %  ROW    *  13.0  *  17.4  *  69.6  *
     %  COL    *   7.1  *   7.4  *  12.2  *
     %  TABLE  *   1.3  *   1.8  *   7.0  *  10.1  *
*****************************************************
     TL COL FRQ     42       54      131     227
     %  TABLE     18.50    23.79    57.71

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  14     PERCENT OF TOTAL:    5.81

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     38.2558  ;  DF = 24  ;  P = 0.0326

                                          SYMMETRIC LAMBDA :    0.04377

                  CRITERION                PREDICTOR             LAMBDA

                  ROW                      COLUMN                0.05970

                  COLUMN                   ROW                   0.01042
```

TABLE 23A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 17A. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                     QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                     (DURING GENERAL SESSIONS)
                     1 = YES; 2 = NO.


                                              TOTALS
                      1           2
  ***************************************************
   CELL FREQ  *     42    *     21    *     63    *
1   %  ROW    *   66.7    *   33.3    *
    %  COL    *   44.2    *   28.8    *
    %  TABLE  *   25.0    *   12.5    *   37.5    *
  ***************************************************
   CELL FREQ  *     23    *     18    *     41    *
2   %  ROW    *   56.1    *   43.9    *
    %  COL    *   24.2    *   24.7    *
    %  TABLE  *   13.7    *   10.7    *   24.4    *
  ***************************************************
   CELL FREQ  *     26    *     26    *     52    *
3   %  ROW    *   50.0    *   50.0    *
    %  COL    *   27.4    *   35.6    *
    %  TABLE  *   15.5    *   15.5    *   31.0    *
  ***************************************************
   CELL FREQ  *      4    *      8    *     12    *
4   %  ROW    *   33.3    *   66.7    *
    %  COL    *    4.2    *   11.0    *
    %  TABLE  *    2.4    *    4.8    *    7.1    *
  ***************************************************
    TL COL FRQ      95          73          168
     %  TABLE     56.55       43.45

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  73     PERCENT OF TOTAL:   30.29

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      6.1679  ;  DF =  3  ;  P = 0.1037


                                          SYMMETRIC LAMBDA :    0.05056

        CRITERION                        PREDICTOR             LAMBDA

        ROW                              COLUMN                0.04762

        COLUMN                           ROW                   0.05479
```

```
ROWS REPRESENT.      CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                      6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                      11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 17A. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                      QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                      (DURING GENERAL SESSIONS)
                      1 = YES; 2 = NO.


                                              TOTALS
                     1            2
     ******************************************
      CELL FREQ  *     1     *     0     *     1   *
1      %  ROW    *  100.0    *    0.0    *
       %  COL    *    1.0    *    0.0    *
       %  TABLE  *    0.6    *    0.0    *    0.6  *
     ******************************************
      CELL FREQ  *    13     *     9     *    22   *
2      %  ROW    *   59.1    *   40.9    *
       %  COL    *   13.3    *   11.5    *
       %  TABLE  *    7.4    *    5.1    *   12.5  *
     ******************************************
      CELL FREQ  *     9     *     4     *    13   *
3      %  ROW    *   69.2    *   30.8    *
       %  COL    *    9.2    *    5.1    *
       %  TABLE  *    5.1    *    2.3    *    7.4  *
     ******************************************
      CELL FREQ  *    11     *     5     *    16   *
4      %  ROW    *   68.8    *   31.3    *
       %  COL    *   11.2    *    6.4    *
       %  TABLE  *    6.3    *    2.8    *    9.1  *
     ******************************************
      CELL FREQ  *    13     *     6     *    19   *
5      %  ROW    *   68.4    *   31.6    *
       %  COL    *   13.3    *    7.7    *
       %  TABLE  *    7.4    *    3.4    *   10.8  *
     ******************************************
      CELL FREQ  *     2     *     5     *     7   *
6      %  ROW    *   28.6    *   71.4    *
       %  COL    *    2.0    *    6.4    *
       %  TABLE  *    1.1    *    2.8    *    4.0  *
     ******************************************
      CELL FREQ  *    10     *    11     *    21   *
7      %  ROW    * [illegible] *   52.4    *
       %  COL    * [illegible] *   14.1    *
       %  TABLE  *    5.7    *    6.3    *   11.9  *
     ******************************************
```

TABLE 23B

TABLE 23B cont.

```
       CELL FREQ  *     7    *     3    *    10    *
  8     %  ROW    *   70.0   *   30.0   *
        %  COL    *    7.1   *    3.8   *
        %  TABLE  *    4.0   *    1.7   *   5.7    *
      ***********************************************
       CELL FREQ  *    10    *     9    *    19    *
  9     %  ROW    *   52.6   *   47.4   *
        %  COL    *   10.2   *   11.5   *
        %  TABLE  *    5.7   *    5.1   *  10.8    *
      ***********************************************
       CELL FREQ  *     1    *     2    *     3    *
 10     %  ROW    *   33.3   *   66.7   *
        %  COL    *    1.0   *    2.6   *
        %  TABLE  *    0.6   *    1.1   *   1.7    *
      ***********************************************
       CELL FREQ  *     6    *     8    *    14    *
 11     %  ROW    *   42.9   *   57.1   *
        %  COL    *    6.1   *   10.3   *
        %  TABLE  *    3.4   *    4.5   *   8.0    *
      ***********************************************
       CELL FREQ  *     7    *     6    *    13    *
 12     %  ROW    *   53.8   *   46.2   *
        %  COL    *    7.1   *    7.7   *
        %  TABLE  *    4.0   *    3.4   *   7.4    *
      ***********************************************
       CELL FREQ  *     8    *    10    *    18    *
 13     %  ROW    *   44.4   *   55.6   *
        %  COL    *    8.2   *   12.8   *
        %  TABLE  *    4.5   *    5.7   *  10.2    *
      ***********************************************
         TL COL FRQ      98         78        176
          %  TABLE     55.68      44.32

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  65     PERCENT OF TOTAL:   26.97

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     10.2430  ;  DF = 12  ;  P = 0.5947

                                             SYMMETRIC LAMBDA :     0.04741

              CRITERION                     PREDICTOR               LAMBDA

              ROW                           COLUMN                  0.01299

              COLUMN                        ROW                     0.11538
```

TABLE 24A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 17B. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                     QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                     (DURING CONCURRENT SESSIONS)
                     1 = YES; 2 = NO.


                                                TOTALS
                         1           2
   ****************************************************
    CELL FREQ   *    75     *     2     *     77     *
1    %  ROW     *   97.4    *    2.6    *
     %  COL     *   39.3    *   13.3    *
     %  TABLE   *   36.4    *    1.0    *   37.4     *
   ****************************************************
    CELL FREQ   *    43     *     3     *     46     *
2    %  ROW     *   93.5    *    6.5    *
     %  COL     *   22.5    *   20.0    *
     %  TABLE   *   20.9    *    1.5    *   22.3     *
   ****************************************************
    CELL FREQ   *    63     *     7     *     70     *
3    %  ROW     *   90.0    *   10.0    *
     %  COL     *   33.0    *   46.7    *
     %  TABLE   *   30.6    *    3.4    *   34.0     *
   ****************************************************
    CELL FREQ   *    10     *     3     *     13     *
4    %  ROW     *   76.9    *   23.1    *
     %  COL     *    5.2    *   20.0    *
     %  TABLE   *    4.9    *    1.5    *    6.3     *
   ****************************************************
     TL COL FRQ      191         15          206
      %  TABLE      92.72       7.28

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  35     PERCENT OF TOTAL:   14.52

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       8.1121   ;  DF =  3  ;  P = 0.0438


                                        SYMMETRIC LAMBDA :   0.03472

               CRITERION                PREDICTOR            LAMBDA

               ROW                      COLUMN               0.03876

               COLUMN                   ROW                  0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 17B. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                     QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                     (DURING CONCURRENT SESSIONS)
                     1 = YES; 2 = NO.


                                                TOTALS
                        1            2
       ***************************************************
        CELL FREQ  *      2    *      0    *      2    *
  1      %  ROW    *  100.0    *    0.0    *
         %  COL    *    1.0    *    0.0    *
         %  TABLE  *    0.9    *    0.0    *    0.9    *
       ***************************************************
        CELL FREQ  *     23    *      2    *     25    *
  2      %  ROW    *   92.0    *    8.0    *
         %  COL    *   11.4    *   12.5    *
         %  TABLE  *   10.6    *    0.9    *   11.5    *
       ***************************************************
        CELL FREQ  *     12    *      2    *     14    *
  3      %  ROW    *   85.7    *   14.3    *
         %  COL    *    6.0    *   12.5    *
         %  TABLE  *    5.5    *    0.9    *    6.5    *
       ***************************************************
        CELL FREQ  *     19    *      2    *     21    *
  4      %  ROW    *   90.5    *    9.5    *
         %  COL    *    9.5    *   12.5    *
         %  TABLE  *    8.8    *    0.9    *    9.7    *
       ***************************************************
        CELL FREQ  *     23    *      1    *     24    *
  5      %  ROW    *   95.8    *    4.2    *
         %  COL    *   11.4    *    6.3    *
         %  TABLE  *   10.6    *    0.5    *   11.1    *
       ***************************************************
        CELL FREQ  *     12    *      0    *     12    *
  6      %  ROW    *  100.0    *    0.0    *
         %  COL    *    6.0    *    0.0    *
         %  TABLE  *    5.5    *    0.0    *    5.5    *
       ***************************************************
        CELL FREQ  *     23    *      1    *     24    *
  7      %  ROW    *   95.8    *    4.2    *
         %  COL    *   11.4    *    6.3    *
         %  TABLE  *   10.6    *    0.5    *   11.1    *
       ***************************************************
```

TABLE 24B

```
        CELL FREQ  *     17   *      0   *    17   *
  8      %  ROW    *  100.0   *    0.0   *
         %  COL    *    8.5   *    0.0   *
         %  TABLE  *    7.8   *    0.0   *   7.8   *
     *****************************************
        CELL FREQ  *     19   *      3   *    22   *
  9      %  ROW    *   86.4   *   13.6   *
         %  COL    *    9.5   *   18.8   *
         %  TABLE  *    8.8   *    1.4   *  10.1   *
     *****************************************
        CELL FREQ  *      4   *      0   *     4   *
 10      %  ROW    *  100.0   *    0.0   *
         %  COL    *    2.0   *    0.0   *
         %  TABLE  *    1.8   *    0.0   *   1.8   *
     *****************************************
        CELL FREQ  *     12   *      3   *    15   *
 11      %  ROW    *   80.0   *   20.0   *
         %  COL    *    6.0   *   18.8   *
         %  TABLE  *    5.5   *    1.4   *   6.9   *
     *****************************************
        CELL FREQ  *     15   *      2   *    17   *
 12      %  ROW    *   88.2   *   11.8   *
         %  COL    *    7.5   *   12.5   *
         %  TABLE  *    6.9   *    0.9   *   7.8   *
     *****************************************
        CELL FREQ  *     20   *      0   *    20   *
 13      %  ROW    *  100.0   *    0.0   *
         %  COL    *   10.0   *    0.0   *
         %  TABLE  *    9.2   *    0.0   *   9.2   *
     *****************************************
        TL COL FRQ      201         16        217
         %  TABLE     92.63       7.37

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  24      PERCENT OF TOTAL:     9.96

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      11.4821  ;  DF = 12  ;  P = 0.4881

                                       SYMMETRIC LAMBDA :     0.00481

           CRITERION                   PREDICTOR              LAMBDA

           ROW                         COLUMN                 0.00521

           COLUMN                      ROW                    0.00000
```

TABLE 24B cont.

TABLE 25A

```
ROWS REPRESENT:    PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 17C. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                    QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                    (OUTSIDE SCHEDULED SESSIONS)
                    1 = YES; 2 = NO.


                                          TOTALS
                      1         2
    ****************************************
     CELL FREQ  *    81    *    1    *    82   *
1     % ROW     *  98.8    *  1.2    *
      % COL     *  40.5    *  6.7    *
      % TABLE   *  37.7    *  0.5    *  38.1   *
    ****************************************
     CELL FREQ  *    42    *    7    *    49   *
2     % ROW     *  85.7    * 14.3    *
      % COL     *  21.0    * 46.7    *
      % TABLE   *  19.5    *  3.3    *  22.8   *
    ****************************************
     CELL FREQ  *    64    *    5    *    69   *
3     % ROW     *  92.8    *  7.2    *
      % COL     *  32.0    * 33.3    *
      % TABLE   *  29.8    *  2.3    *  32.1   *
    ****************************************
     CELL FREQ  *    13    *    2    *    15   *
4     % ROW     *  86.7    * 13.3    *
      % COL     *   6.5    * 13.3    *
      % TABLE   *   6.0    *  0.9    *   7.0   *
    ****************************************
      TL COL FRQ    200        15        215
       % TABLE     93.02      6.98

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  26     PERCENT OF TOTAL:   10.79


  PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     9.1629  ;  DF =  3  ;  P = 0.0272


                                       SYMMETRIC LAMBDA :   0.04054
            CRITERION                  PREDICTOR            LAMBDA

            ROW                        COLUMN               0.04511

            COLUMN                     ROW                  0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 17C. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH (OR ASK
                    QUESTIONS OF) NATIONAL LECTURERS AND SESSION SPEAKERS.
                    (OUTSIDE SCHEDULED SESSIONS)
                    1 = YES; 2 = NO.


                                                TOTALS
                            1           2
      ****************************************************
       CELL FREQ   *      1    *      0    *       1    *
  1     %  ROW     *  100.0    *    0.0    *
        %  COL     *    0.5    *    0.0    *
        %  TABLE   *    0.4    *    0.0    *     0.4    *
      ****************************************************
       CELL FREQ   *     23    *      2    *      25    *
  2     %  ROW     *   92.0    *    8.0    *
        %  COL     *   11.0    *   12.5    *
        %  TABLE   *   10.2    *    0.9    *    11.1    *
      ****************************************************
       CELL FREQ   *     15    *      0    *      15    *
  3     %  ROW     *  100.0    *    0.0    *
        %  COL     *    7.1    *    0.0    *
        %  TABLE   *    6.6    *    0.0    *     6.6    *
      ****************************************************
       CELL FREQ   *     16    *      4    *      20    *
  4     %  ROW     *   80.0    *   20.0    *
        %  COL     *    7.6    *   25.0    *
        %  TABLE   *    7.1    *    1.8    *     8.8    *
      ****************************************************
       CELL FREQ   *     24    *      2    *      26    *
  5     %  ROW     *   92.3    *    7.7    *
        %  COL     *   11.4    *   12.5    *
        %  TABLE   *   10.6    *    0.9    *    11.5    *
      ****************************************************
       CELL FREQ   *     11    *      0    *      11    *
  6     %  ROW     *  100.0    *    0.0    *
        %  COL     *    5.2    *    0.0    *
        %  TABLE   *    4.9    *    0.0    *     4.9    *
      ****************************************************
       CELL FREQ   *     25    *      1    *      26    *
  7     %  ROW     *   96.2    *    3.8    *
        %  COL     *   11.9    *    6.3    *
        %  TABLE   *   11.1    *    0.4    *    11.5    *
      ****************************************************
```

TABLE 25B

TABLE 25B cont.

```
       CELL FREQ  *    15   *     1   *    16   *
  8     %  ROW    *  93.8   *   6.3   *
        %  COL    *   7.1   *   6.3   *
        %  TABLE  *   6.6   *   0.4   *   7.1   *
      *******************************************
       CELL FREQ  *    21   *     1   *    22   *
  9     %  ROW    *  95.5   *   4.5   *
        %  COL    *  10.0   *   6.3   *
        %  TABLE  *   9.3   *   0.4   *   9.7   *
      *******************************************
       CELL FREQ  *     4   *     0   *     4   *
 10     %  ROW    * 100.0   *   0.0   *
        %  COL    *   1.9   *   0.0   *
        %  TABLE  *   1.8   *   0.0   *   1.8   *
      *******************************************
       CELL FREQ  *    15   *     3   *    18   *
 11     %  ROW    *  83.3   *  16.7   *
        %  COL    *   7.1   *  18.8   *
        %  TABLE  *   6.6   *   1.3   *   8.0   *
      *******************************************
       CELL FREQ  *    17   *     1   *    18   *
 12     %  ROW    *  94.4   *   5.6   *
        %  COL    *   8.1   *   6.3   *
        %  TABLE  *   7.5   *   0.4   *   8.0   *
      *******************************************
       CELL FREQ  *    23   *     1   *    24   *
 13     %  ROW    *  95.8   *   4.2   *
        %  COL    *  11.0   *   6.3   *
        %  TABLE  *  10.2   *   0.4   *  10.6   *
      *******************************************
        TL COL FRQ   210         16        226
         %  TABLE   92.92       7.08

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  15     PERCENT OF TOTAL:     6.22

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      11.0169  ;  DF = 12  ;  P = 0.5275


                                           SYMMETRIC LAMBDA :    0.01389

             CRITERION                   PREDICTOR               LAMBDA

             ROW                         COLUMN                  0.01500

             COLUMN                      ROW                     0.00000
```

TABLE 26A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 18A. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH ( OR ASK
                    QUESTIONS OF) PARTICIPANTS FROM OTHER CLUSTERS.
                    (DURING GENERAL SESSIONS)
                    1 = YES; 2 = NO.


                                              TOTALS
                     1          2
    *********************************************
     CELL FREQ  *    53    *    17    *    70    *
1      %  ROW   *  75.7    *  24.3    *
       %  COL   *  39.8    *  37.0    *
       %  TABLE *  29.6    *   9.5    *  39.1    *
    *********************************************
     CELL FREQ  *    29    *    11    *    40    *
2      %  ROW   *  72.5    *  27.5    *
       %  COL   *  21.8    *  23.9    *
       %  TABLE *  16.2    *   6.1    *  22.3    *
    *********************************************
     CELL FREQ  *    42    *    15    *    57    *
3      %  ROW   *  73.7    *  26.3    *
       %  COL   *  31.6    *  32.6    *
       %  TABLE *  23.5    *   8.4    *  31.8    *
    *********************************************
     CELL FREQ  *     9    *     3    *    12    *
4      %  ROW   *  75.0    *  25.0    *
       %  COL   *   6.8    *   6.5    *
       %  TABLE *   5.0    *   1.7    *   6.7    *
    *********************************************
       TL COL FRQ    133         46         179
        %  TABLE   74.30      25.70

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  62     PERCENT OF TOTAL:   25.73

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      0.1556  ;  DF =  3  ;  P = 0.9844


                                        SYMMETRIC LAMBDA :   0.00000
            CRITERION                   PREDICTOR            LAMBDA

            ROW                         COLUMN               0.00000

            COLUMN                      ROW                  0.00000
```

```
ROWS REPRESENT:    CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                    6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                    11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 18A. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH ( OR ASK
                    QUESTIONS OF) PARTICIPANTS FROM OTHER CLUSTERS.
                    (DURING GENERAL SESSIONS)
                    1 = YES; 2 = NO.


                                            TOTALS
                      1          2
     *****************************************
     CELL FREQ  *      1   *      0   *      1   *
1     %  ROW    *  100.0   *    0.0   *
      %  COL    *    0.7   *    0.0   *
      %  TABLE  *    0.5   *    0.0   *    0.5   *
     *****************************************
     CELL FREQ  *     19   *      4   *     23   *
2     %  ROW    *   82.6   *   17.4   *
      %  COL    *   13.9   *    8.2   *
      %  TABLE  *   10.2   *    2.2   *   12.4   *
     *****************************************
     CELL FREQ  *     10   *      2   *     12   *
3     %  ROW    *   83.3   *   16.7   *
      %  COL    *    7.3   *    4.1   *
      %  TABLE  *    5.4   *    1.1   *    6.5   *
     *****************************************
     CELL FREQ  *     13   *      4   *     17   *
4     %  ROW    *   76.5   *   23.5   *
      %  COL    *    9.5   *    8.2   *
      %  TABLE  *    7.0   *    2.2   *    9.1   *
     *****************************************
     CELL FREQ  *     17   *      6   *     23   *
5     %  ROW    *   73.9   *   26.1   *
      %  COL    *   12.4   *   12.2   *
      %  TABLE  *    9.1   *    3.2   *   12.4   *
     *****************************************
     CELL FREQ  *      6   *      2   *      8   *
6     %  ROW    *   75.0   *   25.0   *
      %  COL    *    4.4   *    4.1   *
      %  TABLE  *    3.2   *    1.1   *    4.3   *
     *****************************************
     CELL FREQ  *     13   *      9   *     22   *
7     %  ROW    *   59.1   *   40.9   *
      %  COL    *    9.5   *   18.4   *
      %  TABLE  *    7.0   *    4.8   *   11.8   *
     *****************************************
```

TABLE 26B

TABLE 26B cont.

```
     CELL FREQ  *    10   *     2   *    12   *
 8    %  ROW    *  83.3   *  16.7   *
      %  COL    *   7.3   *   4.1   *
      %  TABLE  *   5.4   *   1.1   *   6.5   *
***********************************************
     CELL FREQ  *    17   *     3   *    20   *
 9    %  ROW    *  85.0   *  15.0   *
      %  COL    *  12.4   *   6.1   *
      %  TABLE  *   9.1   *   1.6   *  10.8   *
***********************************************
     CELL FREQ  *     3   *     1   *     4   *
10    %  ROW    *  75.0   *  25.0   *
      %  COL    *   2.2   *   2.0   *
      %  TABLE  *   1.6   *   0.5   *   2.2   *
***********************************************
     CELL FREQ  *     8   *     4   *    12   *
11    %  ROW    *  66.7   *  33.3   *
      %  COL    *   5.8   *   8.2   *
      %  TABLE  *   4.3   *   2.2   *   6.5   *
***********************************************
     CELL FREQ  *    11   *     3   *    14   *
12    %  ROW    *  78.6   *  21.4   *
      %  COL    *   8.0   *   6.1   *
      %  TABLE  *   5.9   *   1.6   *   7.5   *
***********************************************
     CELL FREQ  *     9   *     9   *    18   *
13    %  ROW    *  50.0   *  50.0   *
      %  COL    *   6.6   *  18.4   *
      %  TABLE  *   4.8   *   4.8   *   9.7   *
***********************************************
     TL COL FRQ    137         49        186
      %  TABLE    73.66      26.34

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  55     PERCENT OF TOTAL:   22.82

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     11.9466  ;  DF = 12  ;  P = 0.4500

                                         SYMMETRIC LAMBDA :    0.02358

          CRITERION                     PREDICTOR              LAMBDA

          ROW                           COLUMN                 0.03067

          COLUMN                        ROW                    0.00000
```

TABLE 27A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 188. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH ( OR ASK
                    QUESTIONS OF) PARTICIPANTS FROM OTHER CLUSTERS.
                    (DURING CONCURRENT SESSIONS)
                    1 = YES; 2 = NO.



                                              TOTALS
                      1           2
   ****************************************************
     CELL FREQ  *     66    *     11    *     77    *
1      %  ROW   *   85.7    *   14.3    *
       %  COL   *   37.1    *   44.0    *
       %  TABLE *   32.5    *    5.4    *   37.9    *
   ****************************************************
     CELL FREQ  *     42    *      5    *     47    *
2      %  ROW   *   89.4    *   10.6    *
       %  COL   *   23.6    *   20.0    *
       %  TABLE *   20.7    *    2.5    *   23.2    *
   ****************************************************
     CELL FREQ  *     57    *      8    *     65    *
3      %  ROW   *   87.7    *   12.3    *
       %  COL   *   32.0    *   32.0    *
       %  TABLE *   28.1    *    3.9    *   32.0    *
   ****************************************************
     CELL FREQ  *     13    *      1    *     14    *
4      %  ROW   *   92.9    *    7.1    *
       %  COL   *    7.3    *    4.0    *
       %  TABLE *    6.4    *    0.5    *    6.9    *
   ****************************************************
     TL COL FRQ      178          25          203
      %  TABLE      87.68       12.32
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  38     PERCENT OF TOTAL:   15.77


 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      0.7461  ;  DF =  3  ;  P = 0.8623


                                   SYMMETRIC LAMBDA :    0.00000

              CRITERION            PREDICTOR             LAMBDA

              ROW                  COLUMN                0.00000

              COLUMN               ROW -                 0.00000
```

TABLE 27B

```
ROWS REPRESENT:     CLUSTER; 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 188. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH ( OR ASK
                     QUESTIONS OF) PARTICIPANTS FROM OTHER CLUSTERS.
                     (DURING CONCURRENT SESSIONS)
                     1 = YES; 2 = NO.


                                              TOTALS
                        1         2
    *****************************************************
      CELL FREQ  *      1   *      0   *       1   *
 1      % ROW    *  100.0   *    0.0   *
        % COL    *    0.5   *    0.0   *
        % TABLE  *    0.5   *    0.0   *     0.5   *
    *****************************************************
      CELL FREQ  *     20   *      4   *      24   *
 2      % ROW    *   83.3   *   16.7   *
        % COL    *   10.8   *   14.8   *
        % TABLE  *    9.4   *    1.9   *    11.3   *
    *****************************************************
      CELL FREQ  *     10   *      3   *      13   *
 3      % ROW    *   76.9   *   23.1   *
        % COL    *    5.4   *   11.1   *
        % TABLE  *    4.7   *    1.4   *     6.1   *
    *****************************************************
      CELL FREQ  *     19   *      1   *      20   *
 4      % ROW    *   95.0   *    5.0   *
        % COL    *   10.3   *    3.7   *
        % TABLE  *    9.0   *    0.5   *     9.4   *
    *****************************************************
      CELL FREQ  *     24   *      1   *      25   *
 5      % ROW    *   96.0   *    4.0   *
        % COL    *   13.0   *    3.7   *
        % TABLE  *   11.3   *    0.5   *    11.8   *
    *****************************************************
      CELL FREQ  *      9   *      3   *      12   *
 6      % ROW    *   75.0   *   25.0   *
        % COL    *    4.9   *   11.1   *
        % TABLE  *    4.2   *    1.4   *     5.7   *
    *****************************************************
      CELL FREQ  *     19   *      5   *      24   *
 7      % ROW    *   79.2   *   20.8   *
        % COL    *   10.3   *   18.5   *
        % TABLE  *    9.0   *    2.4   *    11.3   *
    *****************************************************
```

```
        CELL FREQ  *    14   *     1   *    15   *
  8      %  ROW    *   93.3  *    6.7  *
         %  COL    *    7.6  *    3.7  *
         %  TABLE  *    6.6  *    0.5  *   7.1   *
   ************************************************
        CELL FREQ  *    20   *     2   *    22   *
  9      %  ROW    *   90.9  *    9.1  *
         %  COL    *   10.8  *    7.4  *
         %  TABLE  *    9.4  *    0.9  *  10.4   *
   ************************************************
        CELL FREQ  *     4   *     0   *     4   *
 10      %  ROW    *  100.0  *    0.0  *
         %  COL    *    2.2  *    0.0  *
         %  TABLE  *    1.9  *    0.0  *   1.9   *
   ************************************************
        CELL FREQ  *    14   *     2   *    16   *
 11      %  ROW    *   87.5  *   12.5  *
         %  COL    *    7.6  *    7.4  *
         %  TABLE  *    6.6  *    0.9  *   7.5   *
   ************************************************
        CELL FREQ  *    16   *     0   *    16   *
 12      %  ROW    *  100.0  *    0.0  *
         %  COL    *    8.6  *    0.0  *
         %  TABLE  *    7.5  *    0.0  *   7.5   *
   ************************************************
        CELL FREQ  *    15   *     5   *    20   *
 13      %  ROW    *   75.0  *   25.0  *
         %  COL    *    8.1  *   18.5  *
         %  TABLE  *    7.1  *    2.4  *   9.4   *
   ************************************************
          TL COL FRQ    185        27        212
           %  TABLE     87.26      12.74

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  29     PERCENT OF TOTAL:   12.03

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     13.9506  ;  DF = 12  ;  P = 0.3039

                                          SYMMETRIC LAMBDA :   0.01869

         CRITERION                       PREDICTOR             LAMBDA

         ROW                             COLUMN                0.02139

         COLUMN                          ROW                   0.00000
```

TABLE 27B cont.

TABLE 28A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 18C. DID YOU PERSONALLY HAVE AN OPPORTUNITY TO SPEAK WITH ( OR ASK
                    QUESTIONS OF) PARTICIPANTS FROM OTHER CLUSTERS.
                    (OUTSIDE SCHEDULED SESSIONS)
                    1 = YES; 2 = NO.


                                          TOTALS
                    1          2
   ****************************************
    CELL FREQ  *     82    *      0    *     82    *
1     %  ROW   *  100.0    *    0.0    *
      %  COL   *   38.3    *    0.0    *
      %  TABLE *   37.6    *    0.0    *   37.6    *
   ****************************************
    CELL FREQ  *     48    *      1    *     49    *
2     %  ROW   *   98.0    *    2.0    *
      %  COL   *   22.4    *   25.0    *
      %  TABLE *   22.0    *    0.5    *   22.5    *
   ****************************************
    CELL FREQ  *     71    *      2    *     73    *
3     %  ROW   *   97.3    *    2.7    *
      %  COL   *   33.2    *   50.0    *
      %  TABLE *   32.6    *    0.9    *   33.5    *
   ****************************************
    CELL FREQ  *     13    *      1    *     14    *
4     %  ROW   *   92.9    *    7.1    *
      %  COL   *    6.1    *   25.0    *
      %  TABLE *    6.0    *    0.5    *    6.4    *
   ****************************************
     TL COL FRQ     214           4          218
      %  TABLE     98.17       1.83

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  23      PERCENT OF TOTAL:     9.54

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       4.0660  ;  DF =  3  ;  P = 0.2544


                                        SYMMETRIC LAMBDA :    0.01429

          CRITERION                     PREDICTOR             LAMBDA

          ROW                           COLUMN                0.01471

          COLUMN                        ROW                   0.00000
```

TABLE 283

```
RØWS REPRESENT:     CLUSTER: 1=BRØWARD; 2=CHICAGØ; 3=HAMPTØN; 4=HILLSBØRØUGH; 5=JACKSØNVILLE;
                     6=LØNG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ØRLANDØ; 10=PENSACØLA;
                     11=SACRAMENTØ; 12= ST. PETERSBURG; 13=SAN FRANCISCØ.

CØLUMNS REPRESENT: 18C. DID YØU PERSØNALLY HAVE AN ØPPØRTUNITY TØ SPEAK WITH ( ØR ASK
                     QUESTIØNS ØF) PARTICIPANTS FRØM ØTHER CLUSTERS.
                     (ØUTSIDE SCHEDULED SESSIØNS)
                     1 = YES; 2 = NØ.


                                              TØTALS
                        1         2
       ****************************************
        CELL FREQ  *     2    *     0    *     2    *
1        %  RØW    * 100.0    *   0.0    *
         %  CØL    *   0.9    *   0.0    *
         %  TABLE  *   0.9    *   0.0    *   0.9    *
       ****************************************
        CELL FREQ  *    25    *     1    *    26    *
2        %  RØW    *  96.2    *   3.8    *
         %  CØL    *  11.1    *  20.0    *
         %  TABLE  *  10.9    *   0.4    *  11.3    *
       ****************************************
        CELL FREQ  *    14    *     1    *    15    *
3        %  RØW    *  93.3    *   6.7    *
         %  CØL    *   6.2    *  20.0    *
         %  TABLE  *   6.1    *   0.4    *   6.5    *
       ****************************************
        CELL FREQ  *    21    *     1    *    22    *
4        %  RØW    *  95.5    *   4.5    *
         %  CØL    *   9.3    *  20.0    *
         %  TABLE  *   9.1    *   0.4    *   9.6    *
       ****************************************
        CELL FREQ  *    23    *     1    *    24    *
5        %  RØW    *  95.8    *   4.2    *
         %  CØL    *  10.2    *  20.0    *
         %  TABLE  *  10.0    *   0.4    *  10.4    *
       ****************************************
        CELL FREQ  *    12    *     1    *    13    *
6        %  RØW    *  92.3    *   7.7    *
         %  CØL    *   5.3    *  20.0    *
         %  TABLE  *   5.2    *   0.4    *   5.7    *
       ****************************************
        CELL FREQ  *    25    *     0    *    25    *
7        %  RØW    * 100.0    *   0.0    *
         %  CØL    *  11.1    *   0.0    *
         %  TABLE  *  10.9    *   0.0    *  10.9    *
       ****************************************
```

```
        CELL FREQ  *    17   *     0    *    17    *
   8     %  ROW    * 100.0   *   0.0    *
         %  COL    *   7.6   *   0.0    *
         %  TABLE  *   7.4   *   0.0    *   7.4    *
      ********************************************
        CELL FREQ  *    22   *     0    *    22    *
   9     %  ROW    * 100.0   *   0.0    *
         %  COL    *   9.8   *   0.0    *
         %  TABLE  *   9.6   *   0.0    *   9.6    *
      ********************************************
        CELL FREQ  *     4   *     0    *     4    *
  10     %  ROW    * 100.0   *   0.0    *
         %  COL    *   1.8   *   0.0    *
         %  TABLE  *   1.7   *   0.0    *   1.7    *
      ********************************************
        CELL FREQ  *    18   *     0    *    18    *
  11     %  ROW    * 100.0   *   0.0    *
         %  COL    *   8.0   *   0.0    *
         %  TABLE  *   7.8   *   0.0    *   7.8    *
      ********************************************
        CELL FREQ  *    18   *     0    *    18    *
  12     %  ROW    * 100.0   *   0.0    *
         %  COL    *   8.0   *   0.0    *
         %  TABLE  *   7.8   *   0.0    *   7.8    *
      ********************************************
        CELL FREQ  *    24   *     0    *    24    *
  13     %  ROW    * 100.0   *   0.0    *
         %  COL    *  10.7   *   0.0    *
         %  TABLE  *  10.4   *   0.0    *  10.4    *
      ********************************************
          TL COL FRQ    225          5         230
           %  TABLE    97.83       2.17

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  11      PERCENT OF TOTAL:    4.56

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      7.5460  ;  DF = 12  ;  P = 0.8195

                                         SYMMETRIC LAMBDA :    0.00000

         CRITERION                       PREDICTOR             LAMBDA

         ROW                             COLUMN                0.00000

         COLUMN                          ROW                   0.00000
```

TABLE 283 cont.

TABLE 29

```
ROWS REPRESENT:     1973 RESPONSE PATTERN (OVERALL).


COLUMNS REPRESENT: 22A. WERE FACILITIES FOR GENERAL SESSIONS ADEQUATE.
                   1 = YES; 2 = NO.



                                          TOTALS
                 1          2
   ****************************************
    CELL FREQ  *    216   *     21   *    237   *
1     %  ROW   *   91.1   *    8.9   *
      %  COL   * 100.0    * 100.0    *
      %  TABLE *   91.1   *    8.9   * 100.0    *
   ****************************************
     TL COL FRQ    216         21          237
      %  TABLE    91.14        8.86

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   4      PERCENT OF TOTAL:    1.66
```

TABLE 29A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 22A. WERE FACILITIES FOR GENERAL SESSIONS ADEQUATE.
                    1 = YES; 2 = NO.



                                           TOTALS
                     1          2
   ******************************************
    CELL FREQ  *    82    *     3    *    85    *
1    %  ROW    *  96.5    *   3.5    *
     %  COL    *  40.4    *  15.8    *
     %  TABLE  *  36.9    *   1.4    *  38.3    *
   ******************************************
    CELL FREQ  *    45    *     5    *    50    *
2    %  ROW    *  90.0    *  10.0    *
     %  COL    *  22.2    *  26.3    *
     %  TABLE  *  20.3    *   2.3    *  22.5    *
   ******************************************
    CELL FREQ  *    63    *     9    *    72    *
3    %  ROW    *  87.5    *  12.5    *
     %  COL    *  31.0    *  47.4    *
     %  TABLE  *  28.4    *   4.1    *  32.4    *
   ******************************************
    CELL FREQ  *    13    *     2    *    15    *
4    %  ROW    *  86.7    *  13.3    *
     %  COL    *   6.4    *  10.5    *
     %  TABLE  *   5.9    *   0.9    *   6.8    *
   ******************************************
    TL COL FRQ     203         19        222
     %  TABLE     91.44       8.56
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  19     PERCENT OF TOTAL:     7.88

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      4.7460  ;  DF =  3  ;  P = 0.1914


                                      SYMMETRIC LAMBDA :   0.03846

          CRITERION                   PREDICTOR            LAMBDA

          ROW                         COLUMN               0.04380

          COLUMN                      ROW                  0.0000C
```

TABLE 29B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 22A. WERE FACILITIES FOR GENERAL SESSIONS ADEQUATE.
                     1 = YES; 2 = NO.




                                                   TOTALS
                             1          2
      ***********************************************
       CELL FREQ   *      2    *      0    *      2   *
  1     %  ROW     *  100.0    *    0.0    *
        %  COL     *    0.9    *    0.0    *
        %  TABLE   *    0.9    *    0.0    *    0.9   *
      ***********************************************
       CELL FREQ   *     23    *      2    *     25   *
  2     %  ROW     *   92.0    *    8.0    *
        %  COL     *   10.8    *    9.5    *
        %  TABLE   *    9.9    *    0.9    *   10.7   *
      ***********************************************
       CELL FREQ   *     12    *      3    *     15   *
  3     %  ROW     *   80.0    *   20.0    *
        %  COL     *    5.7    *   14.3    *
        %  TABLE   *    5.2    *    1.3    *    6.4   *
      ***********************************************
       CELL FREQ   *     21    *      1    *     22   *
  4     %  ROW     *   95.5    *    4.5    *
        %  COL     *    9.9    *    4.8    *
        %  TABLE   *    9.0    *    0.4    *    9.4   *
      ***********************************************
       CELL FREQ   *     24    *      2    *     26   *
  5     %  ROW     *   92.3    *    7.7    *
        %  COL     *   11.3    *    9.5    *
        %  TABLE   *   10.3    *    0.9    *   11.2   *
      ***********************************************
       CELL FREQ   *     13    *      1    *     14   *
  6     %  ROW     *   92.9    *    7.1    *
        %  COL     *    6.1    *    4.8    *
        %  TABLE   *    5.6    *    0.4    *    6.0   *
      ***********************************************
       CELL FREQ   *     24    *      2    *     26   *
  7     %  ROW     *   92.3    *    7.7    *
        %  COL     *   11.3    *    9.5    *
        %  TABLE   *   10.3    *    0.9    *   11.2   *
      ***********************************************
```

TABLE 29B cont.

```
      CELL FREQ  *    17   *     1   *    18   *
 8     %  ROW    *   94.4  *    5.6  *
       %  COL    *    8.0  *    4.8  *
       %  TABLE  *    7.3  *    0.4  *    7.7  *
*****************************************
      CELL FREQ  *    21   *     1   *    22   *
 9     %  ROW    *   95.5  *    4.5  *
       %  COL    *    9.9  *    4.8  *
       %  TABLE  *    9.0  *    0.4  *    9.4  *
*****************************************
      CELL FREQ  *     4   *     0   *     4   *
10     %  ROW    *  100.0  *    0.0  *
       %  COL    *    1.9  *    0.0  *
       %  TABLE  *    1.7  *    0.0  *    1.7  *
*****************************************
      CELL FREQ  *    14   *     4   *    18   *
11     %  ROW    *   77.8  *   22.2  *
       %  COL    *    6.6  *   19.0  *
       %  TABLE  *    6.0  *    1.7  *    7.7  *
*****************************************
      CELL FREQ  *    15   *     3   *    18   *
12     %  ROW    *   83.3  *   16.7  *
       %  COL    *    7.1  *   14.3  *
       %  TABLE  *    6.4  *    1.3  *    7.7  *
*****************************************
      CELL FREQ  *    22   *     1   *    23   *
13     %  ROW    *   95.7  *    4.3  *
       %  COL    *   10.4  *    4.8  *
       %  TABLE  *    9.4  *    0.4  *    9.9  *
*****************************************
       TL COL FRQ     212        21        233
        %  TABLE     90.99      9.01

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   8     PERCENT OF TOTAL:    3.32

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     10.0633  ;  DF = 12  ;  P = 0.6104

                                        SYMMETRIC LAMBDA :     0.00877

         CRITERION                      PREDICTOR              LAMBDA

         ROW                            COLUMN                 0.00966

         COLUMN                         ROW                    0.00000
```

TABLE 30

```
ROWS REPRESENT:    1973 RESPONSE PATTERN (OVERALL).


COLUMNS REPRESENT: 228. WERE FACILITIES FOR CONCURRENT SESSIONS ADEQUATE.
                   1 = YES; 2 = NO.



                                     TOTALS
                   1          2
   ********************************************
    CELL FREQ  *   211   *    23   *   234   *
1    %  ROW    *  90.2   *   9.8   *
     %  COL    * 100.0   * 100.0   *
     %  TABLE  *  90.2   *   9.8   * 100.0   *
   ********************************************
     TL COL FRQ    211        23       234
      %  TABLE    90.17      9.83

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:   7     PERCENT OF TOTAL:    2.90
```

TABLE 30A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 228. WERE FACILITIES FOR CONCURRENT SESSIONS ADEQUATE.
                    1 = YES; 2 = NO.




                                                   TOTALS
                    1            2
      ***************************************************
       CELL FREQ  *    79   *     5    *    84   *
 1      %  ROW    *  94.0   *   6.0    *
        %  COL    *  39.9   *  22.7    *
        %  TABLE  *  35.9   *   2.3    *  38.2   *
      ***************************************************
       CELL FREQ  *    42   *     7    *    49   *
 2      %  ROW    *  85.7   *  14.3    *
        %  COL    *  21.2   *  31.8    *
        %  TABLE  *  19.1   *   3.2    *  22.3   *
      ***************************************************
       CELL FREQ  *    62   *    10    *    72   *
 3      %  ROW    *  86.1   *  13.9    *
        %  COL    *  31.3   *  45.5    *
        %  TABLE  *  28.2   *   4.5    *  32.7   *
      ***************************************************
       CELL FREQ  *    15   *     0    *    15   *
 4      %  ROW    * 100.0   *   0.0    *
        %  COL    *   7.6   *   0.0    *
        %  TABLE  *   6.8   *   0.0    *   6.8   *
      ***************************************************
        TL COL FRQ    198        22          220
         %  TABLE    90.00      10.00

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  21      PERCENT OF TOTAL:     8.71


PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      5.4056  ,  DF =  3  ,  P = 0.1444



                                             SYMMETRIC LAMBDA :    0.03165

              CRITERION                      PREDICTOR             LAMBDA

              ROW                            COLUMN                0.03676

              COLUMN                         ROW                   0.00000
```

TABLE 30B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= [illegible]T. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 22B. WERE FACILITIES FOR CONCURRENT SESSIONS ADEQUATE.
                     1 = YES; 2 = NO.


                                               TOTALS
                    1           2
     ***************************************************
      CELL FREQ  *      2   *      0   *      2    *
 1     %  ROW    *  100.0   *    0.0   *
       %  COL    *    1.0   *    0.0   *
       %  TABLE  *    0.9   *    0.0   *    0.9    *
     ***************************************************
      CELL FREQ  *     21   *      5   *     26    *
 2     %  ROW    *   80.8   *   19.2   *
       %  COL    *   10.1   *   21.7   *
       %  TABLE  *    9.1   *    2.2   *   11.3    *
     ***************************************************
      CELL FREQ  *     13   *      2   *     15    *
 3     %  ROW    *   86.7   *   13.3   *
       %  COL    *    6.3   *    8.7   *
       %  TABLE  *    5.7   *    0.9   *    6.5    *
     ***************************************************
      CELL FREQ  *     18   *      3   *     21    *
 4     %  ROW    *   85.7   *   14.3   *
       %  COL    *    8.7   *   13.0   *
       %  TABLE  *    7.8   *    1.3   *    9.1    *
     ***************************************************
      CELL FREQ  *     25   *      1   *     26    *
 5     %  ROW    *   96.2   *    3.8   *
       %  COL    *   12.1   *    4.3   *
       %  TABLE  *   10.9   *    0.4   *   11.3    *
     ***************************************************
      CELL FREQ  *     14   *      0   *     14    *
 6     %  ROW    *  100.0   *    0.0   *
       %  COL    *    6.8   *    0.0   *
       %  TABLE  *    6.1   *    0.0   *    6.1    *
     ***************************************************
      CELL FREQ  *     21   *      4   *     25    *
 7     %  ROW    *   84.0   *   16.0   *
       %  COL    *   10.1   *   17.4   *
       %  TABLE  *    9.1   *    1.7   *   10.9    *
     ***************************************************
     CELL FREQ  *     15   *     2   *    17   *
 8     %  ROW   *   88.2   *  11.8   *
       %  COL   *    7.2   *   8.7   *
       %  TABLE *    6.5   *   0.9   *   7.4   *
    *******************************************
     CELL FREQ  *     21   *     1   *    22   *
 9     %  ROW   *   95.5   *   4.5   *
       %  COL   *   10.1   *   4.3   *
       %  TABLE *    9.1   *   0.4   *   9.6   *
    *******************************************
     CELL FREQ  *      4   *     0   *     4   *
10     %  ROW   *  100.0   *   0.0   *
       %  COL   *    1.9   *   0.0   *
       %  TABLE *    1.7   *   0.0   *   1.7   *
    *******************************************
     CELL FREQ  *     14   *     4   *    18   *
11     %  ROW   *   77.8   *  22.2   *
       %  COL   *    6.8   *  17.4   *
       %  TABLE *    6.1   *   1.7   *   7.8   *
    *******************************************
     CELL FREQ  *     16   *     1   *    17   *
12     %  ROW   *   94.1   *   5.9   *
       %  COL   *    7.7   *   4.3   *
       %  TABLE *    7.0   *   0.4   *   7.4   *
    *******************************************
     CELL FREQ  *     23   *     0   *    23   *
13     %  ROW   *  100.0   *   0.0   *
       %  COL   *   11.1   *   0.0   *
       %  TABLE *   10.0   *   0.0   *  10.0   *
    *******************************************
      TL COL FRQ     207        23        230
        %  TABLE   90.00     10.00

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  11      PERCENT OF TOTAL:     4.56

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     14.0411  ;  DF = 12  ;  P = 0.2981

                                              SYMMETRIC LAMBDA :    0.01762

              CRITERION                       PREDICTOR             LAMBDA

              ROW                             COLUMN                0.01961

              COLUMN                          ROW                   0.00000
```

TABLE 30B cont.

TABLE 31

```
ROWS REPRESENT:    1973 RESPONSE PATTERN (OVERALL).


COLUMNS REPRESENT: 22C. WERE FACILITIES FOR COFFEE BREAKS ADEQUATE.
                   1 = YES; 2 = NO.



                                          TOTALS
           *         1          2
 ***********************************************
   CELL FREQ  *    184    *     49    *   233    *
1    %  ROW   *   79.0    *   21.0    *
     %  COL   *  100.0    *  100.0    *
     %  TABLE *   79.0    *   21.0    *  100.0   *
 ***********************************************
    TL COL FRQ     184          49        233
      %  TABLE    78.97       21.03
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   8     PERCENT OF TOTAL:    3.32
```

TABLE 31A

```
ROWS REPRESENT:    PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 22C. WERE FACILITIES FOR COFFEE BREAKS ADEQUATE.
                    1 = YES; 2 = NO.



                                         TOTALS
                    1          2
   ****************************************
    CELL FREQ  *    67    *    17    *    84    *
1    %  ROW    *  79.8    *  20.2    *
     %  COL    *  39.0    *  36.2    *
     %  TABLE  *  30.6    *   7.8    *  38.4    *
   ****************************************
    CELL FREQ  *    44    *     5    *    49    *
2    %  ROW    *  89.8    *  10.2    *
     %  COL    *  25.6    *  10.6    *
     %  TABLE  *  20.1    *   2.3    *  22.4    *
   ****************************************
    CELL FREQ  *    51    *    21    *    72    *
3    %  ROW    *  70.8    *  29.2    *
     %  COL    *  29.7    *  44.7    *
     %  TABLE  *  23.3    *   9.6    *  32.9    *
   ****************************************
    CELL FREQ  *    10    *     4    *    14    *
4    %  ROW    *  71.4    *  28.6    *
     %  COL    *   5.8    *   8.5    *
     %  TABLE  *   4.6    *   1.8    *   6.4    *
   ****************************************
     TL COL FRQ     172        47        219
      %  TABLE     78.54      21.46
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  22     PERCENT OF TOTAL:    9.13


 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      6.7147  ;  DF =  3  ;  P = 0.0816


                                         SYMMETRIC LAMBDA :    0.02198

              CRITERION                  PREDICTOR             LAMBDA

              ROW                        COLUMN                0.02963

              COLUMN                     ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER; 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                    6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                    11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 22C. WERE FACILITIES FOR COFFEE BREAKS ADEQUATE.
                    1 = YES; 2 = NO.



                                                TOTALS
                       1           2
    *****************************************************
     CELL FREQ  *      1     *     0     *     1    *
1     %  ROW    *  100.0     *   0.0     *
      %  COL    *    0.6     *   0.0     *
      %  TABLE  *    0.4     *   0.0     *   0.4    *
    *****************************************************
     CELL FREQ  *     24     *     2     *    26    *
2     %  ROW    *   92.3     *   7.7     *
      %  COL    *   13.3     *   4.1     *
      %  TABLE  *   10.5     *   0.9     *  11.4    *
    *****************************************************
     CELL FREQ  *     11     *     4     *    15    *
3     %  ROW    *   73.3     *  26.7     *
      %  COL    *    6.1     *   8.2     *
      %  TABLE  *    4.8     *   1.7     *   6.6    *
    *****************************************************
     CELL FREQ  *     16     *     5     *    21    *
4     %  ROW    *   76.2     *  23.8     *
      %  COL    *    8.9     *  10.2     *
      %  TABLE  *    7.0     *   2.2     *   9.2    *
    *****************************************************
     CELL FREQ  *     24     *     1     *    25    *
5     %  ROW    *   96.0     *   4.0     *
      %  COL    *   13.3     *   2.0     *
      %  TABLE  *   10.5     *   0.4     *  10.9    *
    *****************************************************
     CELL FREQ  *     10     *     4     *    14    *
6     %  ROW    *   71.4     *  28.6     *
      %  COL    *    5.6     *   8.2     *
      %  TABLE  *    4.4     *   1.7     *   6.1    *
    *****************************************************
     CELL FREQ  *     18     *     6     *    24    *
7     %  ROW    *   75.0     *  25.0     *
      %  COL    *   10.0     *  12.2     *
      %  TABLE  *    7.9     *   2.6     *  10.5    *
    *****************************************************
```

TABLE 31B

TABLE 31B cont.

```
       CELL FREQ  *    16    *     2    *    18    *
  8     %  ROW    *  88.9    *  11.1    *
        %  COL    *   8.9    *   4.1    *
        %  TABLE  *   7.0    *   0.9    *   7.9    *
      ************************************************
       CELL FREQ  *    15    *     7    *    22    *
  9     %  ROW    *  68.2    *  31.8    *
        %  COL    *   8.3    *  14.3    *
        %  TABLE  *   6.6    *   3.1    *   9.6    *
      ************************************************
       CELL FREQ  *     4    *     0    *     4    *
 10     %  ROW    * 100.0    *   0.0    *
        %  COL    *   2.2    *   0.0    *
        %  TABLE  *   1.7    *   0.0    *   1.7    *
      ************************************************
       CELL FREQ  *    14    *     4    *    18    *
 11     %  ROW    *  77.8    *  22.2    *
        %  COL    *   7.8    *   8.2    *
        %  TABLE  *   6.1    *   1.7    *   7.9    *
      ************************************************
       CELL FREQ  *    12    *     6    *    18    *
 12     %  ROW    *  66.7    *  33.3    *
        %  COL    *   6.7    *  12.2    *
        %  TABLE  *   5.2    *   2.6    *   7.9    *
      ************************************************
       CELL FREQ  *    15    *     8    *    23    *
 13     %  ROW    *  65.2    *  34.8    *
        %  COL    *   8.3    *  16.3    *
        %  TABLE  *   6.6    *   3.5    *  10.0    *
      ************************************************
        TL COL FRQ     180         49         229
         %  TABLE     78.60       21.40

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  12      PERCENT OF TOTAL:     4.98

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      16.2325  ;  DF = 12  ;  P = 0.1808

                                            SYMMETRIC LAMBDA :    0.02381

         CRITERION                         PREDICTOR              LAMBDA

         ROW                               COLUMN                 0.02956

         COLUMN                            ROW                    0.00000
```

TABLE 32

```
ROWS REPRESENT:    1973 RESPONSE PATTERN (OVERALL).


COLUMNS REPRESENT: 22D. WERE FACILITIES FOR COCKTAILS ADEQUATE.
                   1 = YES; 2 = NO.



                                          TOTALS
                  1           2
  *********************************************
   CELL FREQ  *   206    *    10    *   216   *
1    %  ROW   *  95.4    *    4.6   *
     %  COL   * 100.0    *  100.0   *
     %  TABLE *  95.4    *    4.6   *  100.0  *
  *********************************************
    TL COL FRQ    206         10        216
     %  TABLE    95.37        4.63

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  25     PERCENT OF TOTAL:   10.37
```

TABLE 32A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.

COLUMNS REPRESENT: 22D. WERE FACILITIES FOR COCKTAILS ADEQUATE.
                     1 = YES; 2 = NO.



                                             TOTALS
                      1           2
   ************************************************
    CELL FREQ  *     79    *      3    *     82   *
1    %  ROW    *   96.3    *    3.7    *
     %  COL    *   40.3    *   37.5    *
     %  TABLE  *   38.7    *    1.5    *   40.2   *
   ************************************************
    CELL FREQ  *     43    *      1    *     44   *
2    %  ROW    *   97.7    *    2.3    *
     %  COL    *   21.9    *   12.5    *
     %  TABLE  *   21.1    *    0.5    *   21.6   *
   ************************************************
    CELL FREQ  *     62    *      4    *     66   *
3    %  ROW    *   93.9    *    6.1    *
     %  COL    *   31.6    *   50.0    *
     %  TABLE  *   30.4    *    2.0    *   32.4   *
   ************************************************
    CELL FREQ  *     12    *      0    *     12   *
4    %  ROW    *  100.0    *    0.0    *
     %  COL    *    6.1    *    0.0    *
     %  TABLE  *    5.9    *    0.0    *    5.9   *
   ************************************************
     TL COL FRQ     196           8          204
      %  TABLE     96.08        3.92

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  37     PERCENT OF TOTAL:   15.35

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       1.6238  ;  DF =     ;  P = 0.6540


                                       SYMMETRIC LAMBDA :   0.00769
              CRITERION                PREDICTOR            LAMBDA

              ROW                      COLUMN               0.00820

              COLUMN                   ROW                  0.0000C
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 22D. WERE FACILITIES FOR COCKTAILS ADEQUATE.
                     1 = YES; 2 = NO.



                                               TOTALS
                        1          2
         ******************************************
          CELL FREQ  *     1    *     0    *     1    *
 1         %  ROW    * 100.0    *   0.0    *
           %  COL    *   0.5    *   0.0    *
           %  TABLE  *   0.5    *   0.0    *   0.5    *
         ******************************************
          CELL FREQ  *    20    *     2    *    22    *
 2         %  ROW    *  90.9    *   9.1    *
           %  COL    *   9.9    *  20.0    *
           %  TABLE  *   9.4    *   0.9    *  10.4    *
         ******************************************
          CELL FREQ  *    12    *     0    *    12    *
 3         %  ROW    * 100.0    *   0.0    *
           %  COL    *   5.9    *   0.0    *
           %  TABLE  *   5.7    *   0.0    *   5.7    *
         ******************************************
          CELL FREQ  *    20    *     1    *    21    *
 4         %  ROW    *  95.2    *   4.8    *
           %  COL    *   9.9    *  10.0    *
           %  TABLE  *   9.4    *   0.5    *   9.9    *
         ******************************************
          CELL FREQ  *    23    *     0    *    23    *
 5         %  ROW    * 100.0    *   0.0    *
           %  COL    *  11.4    *   0.0    *
           %  TABLE  *  10.8    *   0.0    *  10.8    *
         ******************************************
          CELL FREQ  *    11    *     2    *    13    *
 6         %  ROW    *  84.6    *  15.4    *
           %  COL    *   5.4    *  20.0    *
           %  TABLE  *   5.2    *   0.9    *   6.1    *
         ******************************************
          CELL FREQ  *    23    *     1    *    24    *
 7         %  ROW    *  95.8    *   4.2    *
           %  COL    *  11.4    *  10.0    *
           %  TABLE  *  10.8    *   0.5    *  11.3    *
         ******************************************
```

TABLE 32B

TABLE 32B cont.

```
     CELL FREQ  *    16   *    1   *   17   *
 8    %  ROW    *  94.1   *   5.9  *
      %  COL    *   7.9   *  10.0  *
      %  TABLE  *   7.5   *   0.5  *   8.0  *
   ******************************************
     CELL FREQ- *    20   *    0   *   20   *
 9    %  ROW    * 100.0   *   0.0  *
      %  COL    *   9.9   *   0.0  *
      %  TABLE  *   9.4   *   0.0  *   9.4  *
   ******************************************
     CELL FREQ  *     3   *    0   *    3   *
10    %  ROW    * 100.0   *   0.0  *
      %  COL    *   1.5   *   0.0  *
      %  TABLE  *   1.4   *   0.0  *   1.4  *
   ******************************************
     CELL FREQ  *    15   *    3   *   18   *
11    %  ROW    *  83.3   *  16.7  *
      %  COL    *   7.4   *  30.0  *
      %  TABLE  *   7.1   *   1.4  *   8.5  *
   ******************************************
     CELL FREQ  *    15   *    0   *   15   *
12    %  ROW    * 100.0   *   0.0  *
      %  COL    *   7.4   *   0.0  *
      %  TABLE  *   7.1   *   0.0  *   7.1  *
   ******************************************
     CELL FREQ  *    23   *    0   *   23   *
13    %  ROW    * 100.0   *   0.0  *
      %  COL    *  11.4   *   0.0  *
      %  TABLE  *  10.8   *   0.0  *  10.8  *
   ******************************************
      TL COL FRQ    202        10       212
       %  TABLE    95.28      4.72

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  29     PERCENT OF TOTAL:   12.03

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      14.8164  ;  DF = 12  ;  P = 0.2516

                                          SYMMETRIC LAMBDA :    0.01010

              CRITERION                   PREDICTOR             LAMBDA

              ROW                         COLUMN                0.01064

              COLUMN                      ROW                   0.00000
```

TABLE 33

```
ROWS REPRESENT:    1973 RESPONSE PATTERN (OVERALL).


COLUMNS REPRESENT: 22E. WERE FACILITIES FOR MONDAY, FRIDAY EVENING BANQUETS ADEQUATE.
                   1 = YES; 2 = NO.


                                                  TOTALS
                       1            2
     *****************************************************
      CELL FREQ  *    218     *       7     *   225      *
 1     %  ROW    *   96.9     *     3.1     *
       %  COL    *  100.0     *   100.0     *
       %  TABLE  *   96.9     *     3.1     *  100.0     *
     *****************************************************
      TL COL FRQ     218              7         225
       %  TABLE     96.89          3.11
 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  16     PERCENT OF TOTAL:    6.64
```

TABLE 33A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 22E. WERE FACILITIES FOR MONDAY, FRIDAY EVENING BANQUETS ADEQUATE.
                     1 = YES; 2 = NO.



                                          TOTALS
                  1          2
    *****************************************
     CELL FREQ  *    80    *     3    *    83    *
1     %  ROW    *  96.4    *   3.6    *
      %  COL    *  38.8    *  50.0    *
      %  TABLE  *  37.7    *   1.4    *  39.2    *
    *****************************************
     CELL FREQ  *    48    *     0    *    48    *
2     %  ROW    * 100.0    *   0.0    *
      %  COL    *  23.3    *   0.0    *
      %  TABLE  *  22.6    *   0.0    *  22.6    *
    *****************************************
     CELL FREQ  *    65    *     3    *    68    *
3     %  ROW    *  95.6    *   4.4    *
      %  COL    *  31.6    *  50.0    *
      %  TABLE  *  30.7    *   1.4    *  32.1    *
    *****************************************
     CELL FREQ  *    13    *     0    *    13    *
4     %  ROW    * 100.0    *   0.0    *
      %  COL    *   6.3    *   0.0    *
      %  TABLE  *   6.1    *   0.0    *   6.1    *
    *****************************************
      TL COL FRQ    206          6         212
      %  TABLE     97.17       2.83

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  29     PERCENT OF TOTAL:   12.03

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      2.5808  ;  DF =  3  ;  P = 0.4609


                                         SYMMETRIC LAMBDA :   0.00000

          CRITERION                     PREDICTOR             LAMBDA

          ROW                           COLUMN                0.00000

          COLUMN                        ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 22E. WERE FACILITIES FOR MONDAY, FRIDAY EVENING BANQUETS ADEQUATE.
                     1 = YES; 2 = NO.



                                                  TOTALS
                          1           2
      *********************************************
       CELL FREQ  *      1    *      0    *     1   *
1        %  ROW   *  100.0    *    0.0    *
         %  COL   *    0.5    *    0.0    *
         %  TABLE *    0.5    *    0.0    *   0.5   *
      *********************************************
       CELL FREQ  *     25    *      1    *    26   *
2        %  ROW   *   96.2    *    3.8    *
         %  COL   *   11.7    *   14.3    *
         %  TABLE *   11.3    *    0.5    *  11.8   *
      *********************************************
       CELL FREQ  *     12    *      0    *    12   *
3        %  ROW   *  100.0    *    0.0    *
         %  COL   *    5.6    *    0.0    *
         %  TABLE *    5.4    *    0.0    *   5.4   *
      *********************************************
       CELL FREQ  *     22    *      0    *    22   *
4        %  ROW   *  100.0    *    0.0    *
         %  COL   *   10.3    *    0.0    *
         %  TABLE *   10.0    *    0.0    *  10.0   *
      *********************************************
       CELL FREQ  *     25    *      0    *    25   *
5        %  ROW   *  100.0    *    0.0    *
         %  COL   *   11.7    *    0.0    *
         %  TABLE *   11.3    *    0.0    *  11.3   *
      *********************************************
       CELL FREQ  *     11    *      2    *    13   *
6        %  ROW   *   84.6    *   15.4    *
         %  COL   *    5.1    *   28.6    *
         %  TABLE *    5.0    *    0.9    *   5.9   *
      *********************************************
       CELL FREQ  *     22    *      2    *    24   *
7        %  ROW   *   91.7    *    8.3    *
         %  COL   *   10.3    *   28.6    *
         %  TABLE *   10.0    *    0.9    *  10.9   *
      *********************************************
```

TABLE 33B

TABLE 33B cont.

```
     CELL FREQ  *    17   *     0   *    17   *
 8     %  ROW   * 100.0   *   0.0   *
       %  COL   *   7.9   *   0.0   *
       %  TABLE *   7.7   *   0.0   *   7.7   *
    *******************************************
     CELL FREQ  *    22   *     0   *    22   *
 9     %  ROW   * 100.0   *   0.0   *
       %  COL   *  10.3   *   0.0   *
       %  TABLE *  10.0   *   0.0   *  10.0   *
    *******************************************
     CELL FREQ  *     3   *     0   *     3   *
10     %  ROW   * 100.0   *   0.0   *
       %  COL   *   1.4   *   0.0   *
       %  TABLE *   1.4   *   0.0   *   1.4   *
    *******************************************
     CELL FREQ  *    16   *     2   *    18   *
11     %  ROW   *  88.9   *  11.1   *
       %  COL   *   7.5   *  28.6   *
       %  TABLE *   7.2   *   0.9   *   8.1   *
    *******************************************
     CELL FREQ  *    15   *     0   *    15   *
12     %  ROW   * 100.0   *   0.0   *
       %  COL   *   7.0   *   0.0   *
       %  TABLE *   6.8   *   0.0   *   6.8   *
    *******************************************
     CELL FREQ  *    23   *     0   *    23   *
13     %  ROW   * 100.0   *   0.0   *
       %  COL   *  10.7   *   0.0   *
       %  TABLE *  10.4   *   0.0   *  10.4   *
    *******************************************
     TL COL FRQ     214         7        221
       %  TABLE    96.83      3.17

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  20     PERCENT OF TOTAL:    8.30

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     16.7364  ;  DF = 12  ;  P = 0.1598

                                         SYMMETRIC LAMBDA :   0.00495

                CRITERION                PREDICTOR            LAMBDA

                ROW                      COLUMN               0.00513

                COLUMN                   ROW                  0.00000
```

TABLE 34A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 24. BY WHAT MEANS DID YOU TRAVEL TO THE SUMMER INSTITUTE.
                    1 = BY AIRPLANE
                    2 = BY AUTOMOBILE
                    3 = OTHER.


                                                      TOTALS
                     1           2           3
    ******************************************************
     CELL FREQ  *    33    *    47    *     3    *    83    *
1     %  ROW    *  39.8    *  56.6    *   3.6    *
      %  COL    *  37.9    *  37.0    *  50.0    *
      %  TABLE  *  15.0    *  21.4    *   1.4    *  37.7    *
    ******************************************************
     CELL FREQ  *    23    *    26    *     1    *    50    *
2     %  ROW    *  46.0    *  52.0    *   2.0    *
      %  COL    *  26.4    *  20.5    *  16.7    *
      %  TABLE  *  10.5    *  11.8    *   0.5    *  22.7    *
    ******************************************************
     CELL FREQ  *    28    *    43    *     1    *    72    *
3     %  ROW    *  38.9    *  59.7    *   1.4    *
      %  COL    *  32.2    *  33.9    *  16.7    *
      %  TABLE  *  12.7    *  19.5    *   0.5    *  32.7    *
    ******************************************************
     CELL FREQ  *     3    *    11    *     1    *    15    *
4     %  ROW    *  20.0    *  73.3    *   6.7    *
      %  COL    *   3.4    *   8.7    *  16.7    *
      %  TABLE  *   1.4    *   5.0    *   0.5    *   6.8    *
    ******************************************************
      TL COL FRQ     87         127           6        220
       %  TABLE    39.55       57.73        2.73

TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  21     PERCENT OF TOTAL:    8.71

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:       4.6316  ;  DF =  6  ;  P = 0.5919


                                       SYMMETRIC LAMBDA :   0.00000

          CRITERION                    PREDICTOR            LAMBDA

          ROW                          COLUMN               0.00000

          COLUMN                       ROW                  0.00000
```

TABLE 34B

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 24. BY WHAT MEANS DID YOU TRAVEL TO THE SUMMER INSTITUTE.
                    1 = BY AIRPLANE
                    2 = BY AUTOMOBILE
                    3 = OTHER.


                                                        TOTALS
                      1          2          3
     *****************************************************
      CELL FREQ  *     0    *     2    *     0    *     2    *
  1    %  ROW    *   0.0    * 100.0    *   0.0    *
       %  COL    *   0.0    *   1.5    *   0.0    *
       %  TABLE  *   0.0    *   0.9    *   0.0    *   0.9    *
     *****************************************************
      CELL FREQ  *    23    *     2    *     0    *    25    *
  2    %  ROW    *  92.0    *   8.0    *   0.0    *
       %  COL    *  24.7    *   1.5    *   0.0    *
       %  TABLE  *   9.9    *   0.9    *   0.0    *  10.8    *
     *****************************************************
      CELL FREQ  *     4    *     7    *     4    *    15    *
  3    %  ROW    *  26.7    *  46.7    *  26.7    *
       %  COL    *   4.3    *   5.3    *  66.7    *
       %  TABLE  *   1.7    *   3.0    *   1.7    *   6.5    *
     *****************************************************
      CELL FREQ  *     0    *    22    *     0    *    22    *
  4    %  ROW    *   0.0    * 100.0    *   0.0    *
       %  COL    *   0.0    *  16.5    *   0.0    *
       %  TABLE  *   0.0    *   9.5    *   0.0    *   9.5    *
     *****************************************************
      CELL FREQ  *     1    *    24    *     0    *    25    *
  5    %  ROW    *   4.0    *  96.0    *   0.0    *
       %  COL    *   1.1    *  18.0    *   0.0    *
       %  TABLE  *   0.4    *  10.3    *   0.0    *  10.8    *
     *****************************************************
      CELL FREQ  *    12    *     2    *     0    *    14    *
  6    %  ROW    *  85.7    *  14.3    *   0.0    *
       %  COL    *  12.9    *   1.5    *   0.0    *
       %  TABLE  *   5.2    *   0.9    *   0.0    *   6.0    *
     *****************************************************
      CELL FREQ  *     2    *    24    *     0    *    26    *
  7    %  ROW    *   7.7    *  92.3    *   0.0    *
       %  COL    *   2.2    *  18.0    *   0.0    *
       %  TABLE  *   0.9    *  10.3    *   0.0    *  11.2    *
     *****************************************************
```

```
       CELL FREQ  *     9   *     7   *     2   *    18   *
  8     %  ROW    *   50.0  *   38.9  *   11.1  *
        %  COL    *    9.7  *    5.3  *   33.3  *
        %  TABLE  *    3.9  *    3.0  *    0.9  *   7.8   *
  *********************************************************
       CELL FREQ  *     1   *    22   *     0   *    23   *
  9     %  ROW    *    4.3  *   95.7  *    0.0  *
        %  COL    *    1.1  *   16.5  *    0.0  *
        %  TABLE  *    0.4  *    9.5  *    0.0  *   9.9   *
  *********************************************************
       CELL FREQ  *     0   *     3   *     0   *     3   *
 10     %  ROW    *    0.0  *  100.0  *    0.0  *
        %  COL    *    0.0  *    2.3  *    0.0  *
        %  TABLE  *    0.0  *    1.3  *    0.0  *   1.3   *
  *********************************************************
       CELL FREQ  *    19   *     0   *     0   *    19   *
 11     %  ROW    *  100.0  *    0.0  *    0.0  *
        %  COL    *   20.4  *    0.0  *    0.0  *
        %  TABLE  *    8.2  *    0.0  *    0.0  *   8.2   *
  *********************************************************
       CELL FREQ  *     1   *    16   *     0   *    17   *
 12     %  ROW    *    5.9  *   94.1  *    0.0  *
        %  COL    *    1.1  *   12.0  *    0.0  *
        %  TABLE  *    0.4  *    6.9  *    0.0  *   7.3   *
  *********************************************************
       CELL FREQ  *    21   *     2   *     0   *    23   *
 13     %  ROW    *   91.3  *    8.7  *    0.0  *
        %  COL    *   22.6  *    1.5  *    0.0  *
        %  TABLE  *    9.1  *    0.9  *    0.0  *   9.9   *
  *********************************************************
         TL COL FRQ      93        133          6       232
         %  TABLE     40.09      57.33       2.59

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:   9     PERCENT OF TOTAL:    3.73

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:   206.5722  ;  DF = 24  ;  P = 0.0000

                                         SYMMETRIC LAMBDA :    0.31475

          CRITERION                     PREDICTOR              LAMBDA

          ROW                           COLUMN                 0.12136

          COLUMN                        ROW                    0.71717
```

TABLE 34B cont.

TABLE 35A

```
ROWS REPRESENT:    PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 25. IN YOUR OPINION IS THERE ANY ACTIVITY OR SESSION THAT SHOULD HAVE BEEN,
                    BUT WAS NOT INCLUDED IN THE SUMMER INSTITUTE.
                    1 = YES; 2 = NO.


                                            TOTALS
                      1          2
    *****************************************
     CELL FREQ  *     25    *     52    *     77    *
1     %  ROW    *   32.5    *   67.5    *
      %  COL    *   31.3    *   44.4    *
      %  TABLE  *   12.7    *   26.4    *   39.1    *
    *****************************************
     CELL FREQ  *     18    *     24    *     42    *
2     %  ROW    *   42.9    *   57.1    *
      %  COL    *   22.5    *   20.5    *
      %  TABLE  *    9.1    *   12.2    *   21.3    *
    *****************************************
     CELL FREQ  *     27    *     38    *     65    *
3     %  ROW    *   41.5    *   58.5    *
      %  COL    *   33.8    *   32.5    *
      %  TABLE  *   13.7    *   19.3    *   33.0    *
    *****************************************
     CELL FREQ  *     10    *      3    *     13    *
4     %  ROW    *   76.9    *   23.1    *
      %  COL    *   12.5    *    2.6    *
      %  TABLE  *    5.1    *    1.5    *    6.6    *
    *****************************************
      TL COL FRQ      80         117          197
       %  TABLE      40.61       59.39
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  44     PERCENT OF TOTAL:    18.26

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      9.3355  ;  DF =  3  ;  P = 0.0251
                                            SYMMETRIC LAMBDA :    0.04500

              CRITERION                    PREDICTOR              LAMBDA

              ROW                          COLUMN                 0.01667

              COLUMN                       ROW                    0.08750
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 25. IN YOUR OPINION IS THERE ANY ACTIVITY OR SESSION THAT SHOULD HAVE BEEN,
                     BUT WAS NOT INCLUDED IN THE SUMMER INSTITUTE.
                     1 = YES; 2 = NO.




                                                   TOTALS
                      1            2
     *****************************************
      CELL FREQ  *      0     *      1    *      1    *
 1     %  ROW    *    0.0     *  100.0    *
       %  COL    *    0.0     *    0.8    *
       %  TABLE  *    0.0     *    0.5    *    0.5    *
     *****************************************
      CELL FREQ  *     12     *     10    *     22    *
 2     %  ROW    *   54.5     *   45.5    *
       %  COL    *   14.1     *    8.2    *
       %  TABLE  *    5.8     *    4.8    *   10.6    *
     *****************************************
      CELL FREQ  *      8     *      7    *     15    *
 3     %  ROW    *   53.3     *   46.7    *
       %  COL    *    9.4     *    5.7    *
       %  TABLE  *    3.9     *    3.4    *    7.2    *
     *****************************************
      CELL FREQ  *      8     *     12    *     20    *
 4     %  ROW    *   40.0     *   60.0    *
       %  COL    *    9.4     *    9.8    *
       %  TABLE  *    3.9     *    5.8    *    9.7    *
     *****************************************
      CELL FREQ  *      8     *     17    *     25    *
 5     %  ROW    *   32.0     *   68.0    *
       %  COL    *    9.4     *   13.9    *
       %  TABLE  *    3.9     *    8.2    *   12.1    *
     *****************************************
      CELL FREQ  *      5     *      8    *     13    *
 6     %  ROW    *   38.5     *   61.5    *
       %  COL    *    5.9     *    6.6    *
       %  TABLE  *    2.4     *    3.9    *    6.3    *
     *****************************************
      CELL FREQ  *     10     *     10    *     20    *
 7     %  ROW    *   50.0     *   50.0    *
       %  COL    *   11.8     *    8.2    *
       %  TABLE  *    4.8     *    4.8    *    9.7    *
     *****************************************
```

TABLE 35B

TABLE 35B cont.

```
        CELL FREQ  *     6   *    7   *    13   *
   8     %  RØW    *  46.2   * 53.8   *
         %  CØL    *   7.1   *  5.7   *
         %  TABLE  *   2.9   *  3.4   *   6.3   *
       ******************************************
        CELL FREQ  *     7   *   14   *    21   *
   9     %  RØW    *  33.3   * 66.7   *
         %  CØL    *   8.2   * 11.5   *
         %  TABLE  *   3.4   *  6.8   *  10.1   *
       ******************************************
        CELL FREQ  *     1   *    2   *     3   *
  10     %  RØW    *  33.3   * 66.7   *
         %  CØL    *   1.2   *  1.6   *
         %  TABLE  *   0.5   *  1.0   *   1.4   *
       ******************************************
        CELL FREQ  *     9   *    8   *    17   *
  11     %  RØW    *  52.9   * 47.1   *
         %  CØL    *  10.6   *  6.6   *
         %  TABLE  *   4.3   *  3.9   *   8.2   *
       ******************************************
        CELL FREQ  *     6   *   11   *    17   *
  12     %  RØW    *  35.3   * 64.7   *
         %  CØL    *   7.1   *  9.0   *
         %  TABLE  *   2.9   *  5.3   *   8.2   *
       ******************************************
        CELL FREQ  *     5   *   15   *    20   *
  13     %  RØW    *  25.0   * 75.0   *
         %  CØL    *   5.9   * 12.3   *
         %  TABLE  *   2.4   *  7.2   *   9.7   *
       ******************************************
         TL CØL FRQ     85      122       207
          %  TABLE   41.06    58.94

 TØTAL SAMPLE SIZE:  241   NUMBER NØT RESPØNDING:  34     PERCENT ØF TØTAL:   14.11

 PEARSØN CHI SQUARE TEST ØF ASSØCIATIVITY:     8.9254  ;  DF = 12  ;  P = 0.7093

                                      SYMMETRIC LAMBDA :    0.02996

         CRITERIØN                    PREDICTØR             LAMBDA

         RØW                          CØLUMN                0.02198

         CØLUMN                       RØW                   0.04706
```

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 26. IN YOUR OPINION, IS THERE ANY AREA OF EXPERTISE THAT SHOULD HAVE BEEN,
                     BUT WAS NOT REPRESENTED BY SESSION SPEAKERS AND DISCUSSANTS.
                     1 = YES; 2 = NO.


                                                 TOTALS
                      1          2
      ************************************************
       CELL FREQ  *    15    *    67    *     82    *
 1       %  ROW   *   18.3   *   81.7   *
         %  COL   *   31.9   *   41.4   *
         %  TABLE *    7.2   *   32.1   *   39.2    *
      ************************************************
       CELL FREQ  *    14    *    33    *     47    *
 2       %  ROW   *   29.8   *   70.2   *
         %  COL   *   29.8   *   20.4   *
         %  TABLE *    6.7   *   15.8   *   22.5    *
      ************************************************
       CELL FREQ  *     9    *    57    *     66    *
 3       %  ROW   *   13.6   *   86.4   *
         %  COL   *   19.1   *   35.2   *
         %  TABLE *    4.3   *   27.3   *   31.6    *
      ************************************************
       CELL FREQ  *     9    *     5    *     14    *
 4       %  ROW   *   64.3   *   35.7   *
         %  COL   *   19.1   *    3.1   *
         %  TABLE *    4.3   *    2.4   *    6.7    *
      ************************************************
       TL COL FRQ      47        162         209
         %  TABLE     22.49      77.51

 TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  32     PERCENT OF TOTAL:   13.28

   PEARSON CHI SQUARE TEST OF ASSOCIATIVITY;      19.2630  ;  DF =  3  ;  P = 0.0002
                                                  SYMMETRIC LAMBDA :   0.02299

              CRITERION                          PREDICTOR              LAMBDA

              ROW                                COLUMN                 0.00000

              COLUMN                             ROW                    0.08511
```

TABLE 36A

```
ROWS REPRESENT:    CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                   6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                   11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 26. IN YOUR OPINION, IS THERE ANY AREA OF EXPERTISE THAT SHOULD HAVE BEEN,
                   BUT WAS NOT REPRESENTED BY SESSION SPEAKERS AND DISCUSSANTS.
                   1 = YES; 2 = NO.


                                                  TOTALS
                       1           2
      ******************************************
       CELL FREQ  *      1   *      1   *      2   *
 1      %  ROW    *   50.0   *   50.0   *
        %  COL    *    2.2   *    0.6   *
        %  TABLE  *    0.5   *    0.5   *    0.9   *
      ******************************************
       CELL FREQ  *      8   *     15   *     23   *
 2      %  ROW    *   34.8   *   65.2   *
        %  COL    *   17.4   *    8.8   *
        %  TABLE  *    3.7   *    6.9   *   10.6   *
      ******************************************
       CELL FREQ  *      4   *     11   *     15   *
 3      %  ROW    *   26.7   *   73.3   *
        %  COL    *    8.7   *    6.4   *
        %  TABLE  *    1.8   *    5.1   *    6.9   *
      ******************************************
       CELL FREQ  *      5   *     17   *     22   *
 4      %  ROW    *   22.7   *   77.3   *
        %  COL    *   10.9   *    9.9   *
        %  TABLE  *    2.3   *    7.8   *   10.1   *
      ******************************************
       CELL FREQ  *      5   *     19   *     24   *
 5      %  ROW    *   20.8   *   79.2   *
        %  COL    *   10.9   *   11.1   *
        %  TABLE  *    2.3   *    8.8   *   11.1   *
      ******************************************
       CELL FREQ  *      2   *     11   *     13   *
 6      %  ROW    *   15.4   *   84.6   *
        %  COL    *    4.3   *    6.4   *
        %  TABLE  *    0.9   *    5.1   *    6.0   *
      ******************************************
       CELL FREQ  *      6   *     17   *     23   *
 7      %  ROW    *   26.1   *   73.9   *
        %  COL    *   13.0   *    9.9   *
        %  TABLE  *    2.8   *    7.8   *   10.6   *
      ******************************************
```

TABLE 36B

TABLE 36B cont.

```
       CELL FREQ  *     4   *    11   *   15   *
  8     %  ROW    *  26.7   *  73.3   *
        %  COL    *   8.7   *   6.4   *
        %  TABLE  *   1.8   *   5.1   *   6.9  *
     *******************************************
       CELL FREQ  *     4   *    19   *   23   *
  9     %  ROW    *  17.4   *  82.6   *
        %  COL    *   8.7   *  11.1   *
        %  TABLE  *   1.8   *   8.8   *  10.6  *
     *******************************************
       CELL FREQ  *     0   *     3   *    3   *
 10     %  ROW    *   0.0   * 100.0   *
        %  COL    *   0.0   *   1.3   *
        %  TABLE  *   0.0   *   1.4   *   1.4  *
     *******************************************
       CELL FREQ  *     3   *    14   *   17   *
 11     %  ROW    *  17.6   *  82.4   *
        %  COL    *   6.5   *   8.2   *
        %  TABLE  *   1.4   *   6.5   *   7.8  *
     *******************************************
       CELL FREQ  *     3   *    13   *   16   *
 12     %  ROW    *  18.8   *  81.3   *
        %  COL    *   6.5   *   7.6   *
        %  TABLE  *   1.4   *   6.0   *   7.4  *
     *******************************************
       CELL FREQ  *     1   *    20   *   21   *
 13     %  ROW    *   4.8   *  95.2   *
        %  COL    *   2.2   *  11.7   *
        %  TABLE  *   0.5   *   9.2   *   9.7  *
     *******************************************
        TL COL FRQ     46        171       217
         %  TABLE   21.20      78.80

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  24     PERCENT OF TOTAL:    9.96

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     9.2844  ;  DF = 12  ;  P = 0.6785


                                       SYMMETRIC LAMBDA :   0.01674

        CRITERION                     PREDICTOR            LAMBDA

        ROW                           COLUMN               0.02073

        COLUMN                        ROW                  0.00000
```

TABLE 37A

```
ROWS REPRESENT:    PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                    3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 27. IN YOUR OPINION, DID THE SUMMER INSTITUTE  KNIT TOGETHER  THE MANY
                    COMPONENTS OF THE ED.D PROGRAM.
                    1 = YES; 2 = NO.



                                                TOTALS
                         1          2
     *****************************************
      CELL FREQ  *     77    *      2    *    79    *
1       %  ROW   *   97.5    *    2.5    *
        %  COL   *   39.3    *   18.2    *
        %  TABLE *   37.2    *    1.0    *  38.2    *
     *****************************************
      CELL FREQ  *     47    *      1    *    48    *
2       %  ROW   *   97.9    *    2.1    *
        %  COL   *   24.0    *    9.1    *
        %  TABLE *   22.7    *    0.5    *  23.2    *
     *****************************************
      CELL FREQ  *     62    *      4    *    66    *
3       %  ROW   *   93.9    *    6.1    *
        %  COL   *   31.6    *   36.4    *
        %  TABLE *   30.0    *    1.9    *  31.9    *
     *****************************************
      CELL FREQ  *     10    *      4    *    14    *
4       %  ROW   *   71.4    *   28.6    *
        %  COL   *    5.1    *   36.4    *
        %  TABLE *    4.8    *    1.9    *   6.8    *
     *****************************************
       TL COL FRQ     196          11        207
        %  TABLE     94.69        5.31
TOTAL SAMPLE SIZE:  241   NUMBER NOT RESPONDING:  34     PERCENT OF TOTAL:    14.11

 PEARSON CHI SQUARE TEST OF ASSOCIATIVITY;     17.3345  ;  DF =  3  ;  P = 0.0006

                                              SYMMETRIC LAMBDA :    0.01439

           CRITERION                         PREDICTOR             LAMBDA

           ROW                               COLUMN                0.01563

           COLUMN                            ROW                   0.00000
```

```
ROWS REPRESENT:    CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                    6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                    11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 27. IN YOUR OPINION, DID THE SUMMER INSTITUTE  KNIT TOGETHER THE MANY
                    COMPONENTS OF THE ED.D PROGRAM.
                    1 = YES; 2 = NO.



                                                  TOTALS
                         1            2
     *****************************************************
      CELL FREQ  *      2    *      0    *       2    *
 1     %  ROW    *  100.0    *    0.0    *
       %  COL    *    1.0    *    0.0    *
       %  TABLE  *    0.9    *    0.0    *     0.9    *
     *****************************************************
      CELL FREQ  *     20    *      4    *      24    *
 2     %  ROW    *   83.3    *   16.7    *
       %  COL    *    9.8    *   33.3    *
       %  TABLE  *    9.2    *    1.8    *    11.1    *
     *****************************************************
      CELL FREQ  *     12    *      2    *      14    *
 3     %  ROW    *   85.7    *   14.3    *
       %  COL    *    5.9    *   16.7    *
       %  TABLE  *    5.5    *    0.9    *     6.5    *
     *****************************************************
      CELL FREQ  *     21    *      1    *      22    *
 4     %  ROW    *   95.5    *    4.5    *
       %  COL    *   10.2    *    8.3    *
       %  TABLE  *    9.7    *    0.5    *    10.1    *
     *****************************************************
      CELL FREQ  *     25    *      0    *      25    *
 5     %  ROW    *  100.0    *    0.0    *
       %  COL    *   12.2    *    0.0    *
       %  TABLE  *   11.5    *    0.0    *    11.5    *
     *****************************************************
      CELL FREQ  *     13    *      0    *      13    *
 6     %  ROW    *  100.0    *    0.0    *
       %  COL    *    6.3    *    0.0    *
       %  TABLE  *    6.0    *    0.0    *     6.0    *
     *****************************************************
      CELL FREQ  *     20    *      1    *      21    *
 7     %  ROW    *   95.2    *    4.8    *
       %  COL    *    9.8    *    8.3    *
       %  TABLE  *    9.2    *    0.5    *     9.7    *
     *****************************************************
```

TABLE 37B

TABLE 37B cont.

```
      CELL FREQ  *     16    *     2    *    18    *
 8     %  ROW    *   88.9    *  11.1    *
       %  COL    *    7.8    *  16.7    *
       %  TABLE  *    7.4    *   0.9    *   8.3    *
*******************************************
      CELL FREQ  *     23    *     0    *    23    *
 9     %  ROW    *  100.0    *   0.0    *
       %  COL    *   11.2    *   0.0    *
       %  TABLE  *   10.6    *   0.0    *  10.6    *
*******************************************
      CELL FREQ  *      3    *     0    *     3    *
10     %  ROW    *  100.0    *   0.0    *
       %  COL    *    1.5    *   0.0    *
       %  TABLE  *    1.4    *   0.0    *   1.4    *
*******************************************
      CELL FREQ  *     15    *     1    *    16    *
11     %  ROW    *   93.8    *   6.3    *
       %  COL    *    7.3    *   8.3    *
       %  TABLE  *    6.9    *   0.5    *   7.4    *
*******************************************
      CELL FREQ  *     14    *     0    *    14    *
12     %  ROW    *  100.0    *   0.0    *
       %  COL    *    6.8    *   0.0    *
       %  TABLE  *    6.5    *   0.0    *   6.5    *
*******************************************
      CELL FREQ  *     21    *     1    *    22    *
13     %  ROW    *   95.5    *   4.5    *
       %  COL    *   10.2    *   8.3    *
       %  TABLE  *    9.7    *   0.5    *  10.1    *
*******************************************
      TL COL FRQ    205         12         217
       %  TABLE    94.47       5.53

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  24     PERCENT OF TOTAL:     9.96

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:     13.6297  ;  DF = 12  ;  P = 0.3250

                                          SYMMETRIC LAMBDA :    0.01961

              CRITERION                  PREDICTOR              LAMBDA

              ROW                        COLUMN                 0.02083

              COLUMN                     ROW                    0.00000
```

TABLE 38A

```
ROWS REPRESENT:     PRESENT POSITION: 1 = ADMINISTRATION; 2 = BEHAVIORAL SCIENCE;
                     3 = CURRICULUM AND INSTRUCTION; 4 = ENGINEERING TECHNOLOGY.


COLUMNS REPRESENT: 29. WAS YOUR MOST IMPORTANT OBJECTIVE ACCOMPLISHED DURING THE
                     SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                             TOTALS
                      1          2
     *****************************************
      CELL FREQ  *    75    *     1    *    76    *
 1     %  ROW    *  98.7    *   1.3    *
       %  COL    *  40.1    *   9.1    *
       %  TABLE  *  37.9    *   0.5    *  38.4    *
     *****************************************
      CELL FREQ  *    39    *     4    *    43    *
 2     %  ROW    *  90.7    *   9.3    *
       %  COL    *  20.9    *  36.4    *
       %  TABLE  *  19.7    *   2.0    *  21.7    *
     *****************************************
      CELL FREQ  *    61    *     5    *    66    *
 3     %  ROW    *  92.4    *   7.6    *
       %  COL    *  32.6    *  45.5    *
       %  TABLE  *  30.8    *   2.5    *  33.3    *
     *****************************************
      CELL FREQ  *    12    *     1    *    13    *
 4     %  ROW    *  92.3    *   7.7    *
       %  COL    *   6.4    *   9.1    *
       %  TABLE  *   6.1    *   0.5    *   6.6    *
     *****************************************
        TL COL FRQ   187         11         198
         %  TABLE   94.44      5.56
 TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  43     PERCENT OF TOTAL:   17.84

  PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      4.3807  ;  DF =  3  ;  P = 0.2232


                                      SYMMETRIC LAMBDA :    0.03008

            CRITERION                 PREDICTOR             LAMBDA

            ROW                       COLUMN                0.03279

            COLUMN                    ROW                   0.00000
```

```
ROWS REPRESENT:     CLUSTER: 1=BROWARD; 2=CHICAGO; 3=HAMPTON; 4=HILLSBOROUGH; 5=JACKSONVILLE;
                     6=LONG ISLAND; 7=MIAMI-DADE; 8=NEW HAVEN; 9=ORLANDO; 10=PENSACOLA;
                     11=SACRAMENTO; 12= ST. PETERSBURG; 13=SAN FRANCISCO.

COLUMNS REPRESENT: 29. WAS YOUR MOST IMPORTANT OBJECTIVE ACCOMPLISHED DURING THE
                     SUMMER INSTITUTE.
                     1 = YES; 2 = NO.



                                              TOTALS
                    1           2
    *****************************************
     CELL FREQ  *      2    *      0    *      2    *
1     % ROW     *  100.0    *    0.0    *
      % COL     *    1.0    *    0.0    *
      % TABLE   *    1.0    *    0.0    *    1.0    *
    *****************************************
     CELL FREQ  *     20    *      2    *     22    *
2     % ROW     *   90.9    *    9.1    *
      % COL     *   10.2    *   18.2    *
      % TABLE   *    9.7    *    1.0    *   10.6    *
    *****************************************
     CELL FREQ  *     13    *      0    *     13    *
3     % ROW     *  100.0    *    0.0    *
      % COL     *    6.6    *    0.0    *
      % TABLE   *    6.3    *    0.0    *    6.3    *
    *****************************************
     CELL FREQ  *     19    *      0    *     19    *
4     % ROW     *  100.0    *    0.0    *
      % COL     *    9.7    *    0.0    *
      % TABLE   *    9.2    *    0.0    *    9.2    *
    *****************************************
     CELL FREQ  *     21    *      1    *     22    *
5     % ROW     *   95.5    *    4.5    *
      % COL     *   10.7    *    9.1    *
      % TABLE   *   10.1    *    0.5    *   10.6    *
    *****************************************
     CELL FREQ  *     11    *      1    *     12    *
6     % ROW     *   91.7    *    8.3    *
      % COL     *    5.6    *    9.1    *
      % TABLE   *    5.3    *    0.5    *    5.8    *
    *****************************************
     CELL FREQ  *     21    *      2    *     23    *
7     % ROW     *   91.3    *    8.7    *
      % COL     *   10.7    *   18.2    *
      % TABLE   *   10.1    *    1.0    *   11.1    *
    *****************************************
```

TABLE 38B

TABLE 30B cont.

```
        CELL FREQ  *    16    *     0    *    16    *
 8        %  ROW   *  100.0   *    0.0   *
          %  COL   *    8.2   *    0.0   *
          %  TABLE *    7.7   *    0.0   *    7.7   *
      ***********************************************
        CELL FREQ  *    23    *     0    *    23    *
 9        %  ROW   *  100.0   *    0.0   *
          %  COL   *   11.7   *    0.0   *
          %  TABLE *   11.1   *    0.0   *   11.1   *
      ***********************************************
        CELL FREQ  *     2    *     0    *     2    *
10        %  ROW   *  100.0   *    0.0   *
          %  COL   *    1.0   *    0.0   *
          %  TABLE *    1.0   *    0.0   *    1.0   *
      ***********************************************
        CELL FREQ  *    15    *     2    *    17    *
11        %  ROW   *   88.2   *   11.8   *
          %  COL   *    7.7   *   18.2   *
          %  TABLE *    7.2   *    1.0   *    8.2   *
      ***********************************************
        CELL FREQ  *    13    *     2    *    15    *
12        %  ROW   *   86.7   *   13.3   *
          %  COL   *    6.6   *   18.2   *
          %  TABLE *    6.3   *    1.0   *    7.2   *
      ***********************************************
        CELL FREQ  *    20    *     1    *    21    *
13        %  ROW   *   95.2   *    4.8   *
          %  COL   *   10.2   *    9.1   *
          %  TABLE *    9.7   *    0.5   *   10.1   *
      ***********************************************
         TL COL FRQ    196         11         207
          %  TABLE    94.69        5.31

TOTAL SAMPLE SIZE:  241  NUMBER NOT RESPONDING:  34     PERCENT OF TOTAL:   14.11

PEARSON CHI SQUARE TEST OF ASSOCIATIVITY:      8.9346  ;  DF = 12  ;  P = 0.7085

                                         SYMMETRIC LAMBDA :    0.01026

            CRITERION                    PREDICTOR             LAMBDA

            ROW                          COLUMN                0.01087

            COLUMN                       ROW                   0.00000
```

APPENDIX D:

SAMPLE PARTICIPANT LETTER

New York City Community College
OF THE CITY UNIVERSITY OF NEW YORK, 300 JAY STREET, BROOKLYN, N.Y. 11201

August 23, 1973

UNIVERSITY OF CALIF.
LOS ANGELES

JAN 18 1974

CLEARINGHOUSE FOR
JUNIOR COLLEGE
INFORMATION

Dr. John A. Scigliano,
Director
Nova University
3301 College Avenue
Fort Lauderdale, Florida 33314

Dear John:

Item III of the Summer Institute Survey "to plan a national participant organization" is of great interest to me.

As president-elect of the International Reading Association for Two Year Colleges may I share with you the nature and purpose of this organization which is:

1. To promote national communication among two-year colleges with special emphasis on research and on practice leading toward the solution of problems faced by members in their professional endeavors.

2. To provide for a scheduled review of existing programs and materials which may prove helpful to the membership.

3. To provide services at the request of members in the areas of professional development, and program organization, implementation and improvement.

May we discuss in greater detail the possibilities of participation by Nova Ed.D. candidates, national lecturers in pre-convention institutes, seminars, workshops and publications of materials which will be of national interest to community college faculties. Can you suggest any resource people that might be contacted to serve in an advisory capacity to make this a most viable organization ?.

Looking forward to hearing from you.

Sincerely,

Lorraine

Professor Lorraine Beitler,
Coordinator, The Allied Health
Learning Center

LB:meg
cc: Dr. Marlene Mitchell
Summer Institute

Home Address:
12 Chester Place, Bronxville, N.Y. 10708

New York City Community College of Applied Arts and Sciences is Administered by the Board of Higher Education of the City of New York under the program of the State University of New York